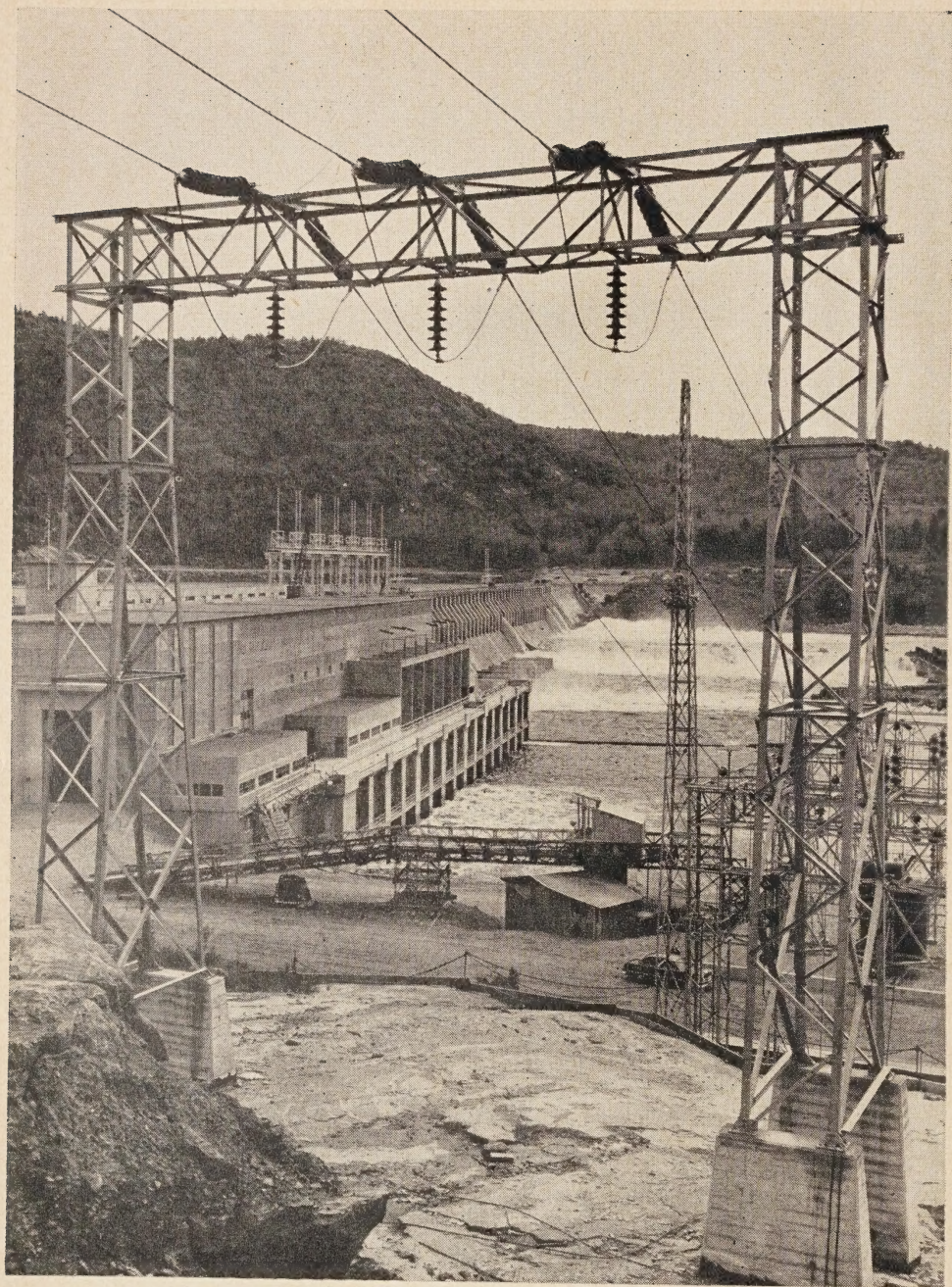




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OTTO HOLDEN GENERATING STATION

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Ontario, Hydro-Electric Power Commission
Forty-Fifth Annual Report

of

The Hydro-Electric Power Commission of Ontario

1952



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THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

1952

ROBERT H. SAUNDERS, C.B.E., Q.C.
Chairman

HON. GEORGE H. CHALLIES, M.L.A.
1st Vice-Chairman

W. ROSS STRIKE, Q.C.
2nd Vice-Chairman

RICHARD L. HEARN, D.ENG.
General Manager
and Chief Engineer

ERNEST B. EASSON,
Secretary

HEAD OFFICE
620 University Avenue, Toronto, Ontario

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LETTER OF TRANSMITTAL

TORONTO, ONTARIO, APRIL 30, 1953

THE HONOURABLE LOUIS O. BREITHAUPT

Lieutenant-Governor of Ontario

SIR:

It is my privilege as Chairman of The Hydro-Electric Power Commission of Ontario to present its Forty-fifth Annual Report for the year ended December 31, 1952.

From its text, illustrations, and tables, the citizens of Ontario may derive a fresh realization of the growth and prosperity of this Province and of the notable part Ontario Hydro is playing in our economy. The Report records substantial progress in all phases of the Commission's activities. As in the past, the members of the Commission and its staff have met the challenges and the problems of the year with that determination to fulfil its responsibilities to the citizens of Ontario which has characterized the conduct of Hydro affairs for nearly half a century.

Development Program

Demands for electric power to serve Ontario's industries, homes, and farms were greater during 1952 than in any previous year. Vigorous continuation of the Commission's power development program brought ten generating units into service at three major generating stations. Seven of these were at Otto Holden Generating Station on the Ottawa River, two were at Richard L. Hearn Generating Station in Toronto, and one was at J. Clark Keith Generating Station in Windsor. The Commission's dependable peak capacity in December 1952 was 3,353,350 kilowatts, or 73.1 per cent greater than the corresponding figure for 1945 of 1,937,500 kilowatts.

Throughout 1952, while maintaining the efficiency, economy, and security of its service, the Commission proceeded with plans to meet the expanded needs for electric power indicated by studies of existing trends. It may be said with reasonable confidence that existing sources of power, augmented by projects already programmed, will meet the requirements of the Commission's customers until late in 1956 or early in 1957. Beyond that date the undeveloped resources of the International Section of the St. Lawrence River must be made available to Ontario if future load growth is to be met by low-cost hydro-electric power. The Commission was greatly encouraged in October 1952

when the International Joint Commission gave its approval to the joint proposal to develop this great international asset. The Commission has done and will continue to do everything in its power to hasten a favourable decision, thus making it possible to harness the much-needed St. Lawrence energy which is still going to waste.

The remarkable progress made in the construction of Sir Adam Beck-Niagara Generating Station No. 2 may be taken as an illustration of what will happen as soon as the responsible authorities in the United States clear the last obstacles preventing the development of the St. Lawrence. Less than three months after final ratification of the Niagara Diversion Treaty of 1950, which made this development possible, actual construction was in progress. By the end of 1952, 58.2 per cent of the rock and 80.3 per cent of the earth to be removed for the construction of Sir Adam Beck-Niagara Generating Station No. 2 had been excavated and construction at the powerhouse site was well advanced. Skilled construction crews, numbering more than 5,500 men, worked speedily and efficiently with the aim of bringing the station into service in 1954. When twelve units of the station are in service in 1956, the installed capacity of this the largest power development ever undertaken by Ontario Hydro will be 900,000 kilowatts.

Frequency Standardization

The Commission's frequency standardization program proceeded on schedule during 1952. It is not easy to illustrate the great size and complexity of this undertaking whereby the 25-cycle frequency established half a century ago in parts of southern Ontario will be largely replaced by the 60-cycle frequency which later became virtually a standard throughout North America. The evidence of work done and the benefits of the program are spread far and wide in the homes and business premises of the 268,288 customers for whom 1,275,206 items had been standardized by the end of 1952. Among these items were 136,032 refrigerators, 195,182 washing-machines, 37,661 oil-burners, and 61,517 clocks and fans. In addition, 176,103 clocks, fans, and other small appliances were exchanged for new models.

The cost of the frequency standardization program will substantially exceed the estimates made in 1947. The amazing commercial and industrial development which has occurred since then and the great increase in the use of electrical appliances have combined with rising costs of labour and materials to force an upward revision of the probable cost of standardization. On the basis of the Commission's inventories to date, it is known that the number of frequency-sensitive items per domestic customer is nearly double the original estimate. The number of customers of all classes to be standardized is now estimated at 904,700 as compared with 784,300 estimated in 1947.

In order to hold standardization costs to a minimum, the Commission has encouraged the production by electrical manufacturers of dual-frequency refrigerators, fluorescent lighting ballasts, transformers, oil-burners and controls, and other equipment. Savings amounting to several million dollars are anticipated through the use of such dual-frequency equipment and through new techniques applied to the conversion of house meters.

Rural

Excellent progress was made during 1952 in the Commission's program of rural electrification. Three new rural operating areas were established, two of them in northern Ontario. Throughout the Province, the net increase in the number of rural customers served by the Commission was 24,931 or 7.8 per cent. At the end of the year, the Commission had 343,537 customers and 40,277 miles of primary distribution lines.

The average cost per kilowatt-hour of energy delivered to farm service customers in 1952 was 1.92 cents whereas the comparable figure in 1939 was 2.56 cents. This reduction, when contrasted with the increases in the prices of most of the other commodities purchased by our farmers, emphasizes the great contribution Hydro is making to our agricultural industry.

Unfortunately, before the end of the year, due to steadily mounting labour, material, and steam power costs, Ontario Hydro had to announce an increase in rural rates averaging 14.9 per cent. Present indications are, however, that this increase in the average cost of farm, hamlet, commercial, and summer cottage services will result in an average cost of 2.3 cents per kilowatt-hour as compared with 2.61 cents in 1943. In other words, average 1953 cost per kilowatt-hour for these rural customers will be less than it was in or prior to 1943.

The Provincial Government, through its policy of financial assistance as a direct benefit to the rural customer, undertakes to pay 50 per cent of the capital costs of rural distribution facilities. This assistance does not apply, however, to current expenses for operation and maintenance of service to the people in rural areas. The grant-in-aid in 1952 amounted to \$8,825,973, bringing the over-all total since 1921 to \$71,841,139. Let me reiterate, this form of financial assistance is solely for the benefit of rural customers. It produces dividends in terms of farm production and domestic comfort every day in the year.

Financial

The financial statements of the Commission presented in this Report are divided into two groups, the first relating to the Southern Ontario System and the second relating to the Northern Ontario Properties. This division emphasizes the fact that the two systems are separate financial entities. Under no circumstances have any reserves of Northern Ontario Properties been transferred and used for the Southern Ontario System. The division is further emphasized by the financial separation of the consolidated Rural Power District. Although rural customers are supplied throughout the Province under a uniform rate structure for farm, hamlet, commercial, and summer service, no transfers of funds have been made between that part of the Rural Power District served by the Southern Ontario System and that part served by the Northern Ontario Properties.

Northern Ontario Properties

It will be noted in the Report that early in 1952, through agreements with the Provincial Government and the municipalities formerly served by the Commission's Thunder Bay System, that system was merged for financial and administrative purposes with the Northern Ontario Properties. Under the new organizational arrangements, subsequently confirmed by legislation, all of

the services operated by the Commission to serve the northern part of the Province form one system called the Northern Ontario Properties.

Municipal

During 1952 Ontario Hydro served a total of 1,244 municipalities of which 318 were on a cost-contract basis with the Commission. These cost-contract municipalities, which are supplied with power at cost, operate their own utilities. Another 49 municipalities, not included in the Rural Power District, are served directly or indirectly by the Commission under other forms of contract. Included in these 49 municipalities are 11 with fixed-rate contracts, 33 whose customers are served directly by the Commission, and 5 served through other electrical utilities. The remaining 877 include small towns, villages, townships, or improvement districts served through the Commission's rural operating areas. The average cost per kilowatt-hour of domestic service in municipalities served by Hydro (other than rural) in 1952 was 1.04 cents as compared with 1.26 cents in 1939, a decrease of 17 per cent, showing that Ontario Hydro has been able to assist in a very material way in keeping down the high cost of living. Ontario Hydro's duty is to supply power at cost and, therefore, as I explained in my radio report of October 29, 1952, if costs increase then the price of power to the municipalities must, of necessity, increase. Just as everyone has had to pay more for housing, food, fuel, and clothing, Ontario Hydro has had to pay more for steel, copper, lumber, cement, other goods, services, salaries, and wages. One of the greatest factors in the mounting costs that the Commission has had to meet has been the increasing use of steam power.

In the light of these facts, last October 29 I had to announce increases in the interim rates to cost municipalities in the Southern Ontario System averaging 14.8 per cent, effective January 1, 1953.

Acknowledgments

The tremendous engineering, construction, administrative, and financial efforts which lie behind Hydro's record of achievement during 1952 could not have been so productive without the whole-hearted co-operation of our Federal, Provincial, and Municipal Governments. This co-operation is gratefully acknowledged. The Commission also wishes to thank its suppliers and contractors for their services and for their cordial and co-operative spirit.

We at the Ontario Commission are also deeply grateful for the wonderful co-operation received from the officers and members of the Ontario Municipal Electric Association and of the Association of Municipal Electrical Utilities. These men have rendered a public service of the highest order at all times, in furthering the best interests of their member municipalities.

At the same time, we are conscious of the tremendous job which has been done by the officials and men of labour whose co-operation has been an all-important factor in relation to our record of achievement during the past year. To these men go our sincere thanks.

We also wish to thank the press and radio of Ontario for their continued co-operation in keeping the public informed about Hydro activities, and we are deeply grateful to the many organizations which have invited members of the Commission and its staff to address them on subjects relating to the Hydro enterprise.

To the Commission's staff of regular and temporary employees and to the staffs of contractors engaged on Commission projects we extend sincere thanks for their valuable contributions to the smooth functioning and remarkable extension of Hydro services. In particular, we wish to acknowledge the devotion with which Dr. Richard L. Hearn, the General Manager and Chief Engineer, and his two assistants, Dr. Otto Holden, Assistant General Manager—Engineering, and Mr. A. W. Manby, Assistant General Manager—Administration, have applied their great ability and experience to the conduct of the Commission's affairs.

My colleagues on the Commission, the Honourable George H. Challies and Mr. W. Ross Strike, Q.C., have continued to devote themselves to Hydro affairs and to render valuable counsel and assistance. It is a great pleasure to make this public acknowledgment of their contributions.

Respectfully submitted,

ROBERT H. SAUNDERS,

Chairman

LETTER OF SUBMITTAL BY THE GENERAL MANAGER
AND CHIEF ENGINEER

TORONTO, ONTARIO, APRIL 29, 1953

ROBERT H. SAUNDERS, ESQ., C.B.E., Q.C., *Chairman*,
and COMMISSIONERS

SIRS:

I submit herewith the Forty-fifth Annual Report of The Hydro-Electric Power Commission of Ontario for the year ended December 31, 1952.

The Report records the Commission's activities in supplying electrical service to its customers through the facilities of the Southern Ontario System and the Northern Ontario Properties. The former system's municipal, rural, and direct industrial customers are served by the Commission on behalf of the co-operating municipalities which have contracted to receive power at cost. The activities in connection with the Northern Ontario Properties relate both to the facilities held and operated in trust for the Province of Ontario and to those used to serve the Thunder Bay municipalities under cost contract.

Throughout the year favourable operating conditions prevailed and new records were established both in production and consumption of energy. Substantial increases occurred in plant capacity, revenues, and the number of customers served and good progress was also made in planning and construction to meet future power needs.

I would like to record a grateful acknowledgment of the loyalty and industry of the staff who contributed so effectively to the accomplishments of the Commission during the past year.

Respectfully submitted,

RICHARD L. HEARN,
General Manager
and Chief Engineer

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FORTY-FIFTH ANNUAL REPORT
OF
**The Hydro-Electric Power Commission
of Ontario**

**FOREWORD
and Guide to the Report**

THE Hydro-Electric Power Commission of Ontario is a separate entity, a self-sustaining public concern endowed with broad powers to produce, buy, and deliver electric power throughout the Province, and to perform certain regulatory functions with respect to the municipal electrical utilities which it serves. The enterprise represented by the Commission is generally known and referred to as the Ontario Hydro.

The members of the Commission, a Chairman and two Vice-Chairmen, are appointed by the Lieutenant-Governor-in-Council to hold office during pleasure. One Commissioner must be a member, and two may be members, of the Executive Council of the Province of Ontario.

The Commission was created in 1906 by an enactment of the Ontario Legislature after consideration of recommendations made by advisory commissions. These had been appointed in response to public demand that the water powers of Ontario should be conserved and developed for the benefit of all the people of the Province. The Commission operates under the authority of The Power Commission Act (7-Edward VII, c. 19) passed in 1907 as an amplification of the Act of 1906 and subsequently modified by numerous amending acts (Revised Statutes of Ontario, 1950, c. 281).

Historical Notes

A brief account of the Commission's origin and some of the principal events and achievements of the past was included in the 43rd Annual Report for 1950 beginning on page 1. This was supplemented in the Foreword to the 44th Annual Report by information on the development program since 1945.

Some of the principal developments and events of 1952 may be briefly summarized as follows. The former Thunder Bay System was merged for

financial and administrative purposes with the Northern Ontario Properties. Details of this consolidation appear below under "Systems" and elsewhere in the Report. Major activity in the power development program occurred at Sir Adam Beck-Niagara Generating Station No. 2 on the Niagara River, at the Richard L. Hearn and J. Clark Keith Fuel-Electric Generating Stations in Toronto and Windsor, and at Otto Holden Generating Station on the upper Ottawa River. An important advance was made in the long campaign to develop the International Section of the St. Lawrence River for power and navigation when, in October, approval was given to the project by the International Joint Commission. The program to standardize the frequency of the Southern Ontario System proceeded on schedule during 1952. By the end of the year more than one-third of the area to be standardized had been changed from 25- to 60-cycle operation.

Organization

The organization of the Commission covers three main functions—policy making, policy interpretation, and action. The Commissioners constitute the final authority on policy decisions. The General Manager and Chief Engineer is the principal executive officer and is responsible for the carrying out of Commission policy and decisions, principally through the means of the two main branches of the organization—Engineering and Administration—each of which is headed by an Assistant General Manager.

Systems

The Report on the Commission's activities for 1952 is given with reference to two systems, the Southern Ontario System and the Northern Ontario Properties as newly constituted. In each of these systems the Commission's customers include municipal electrical utilities, certain large industrial users, and retail customers in rural municipalities.

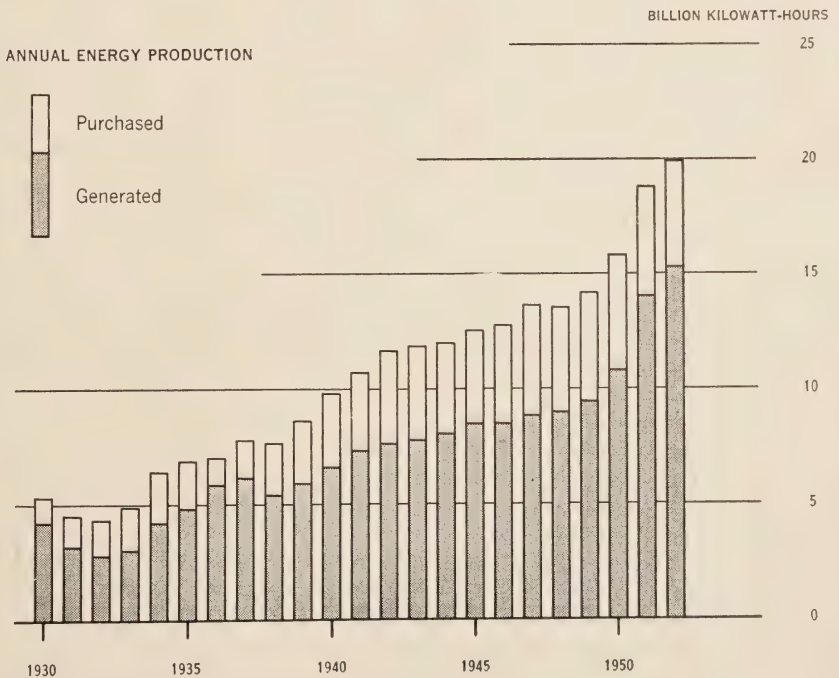
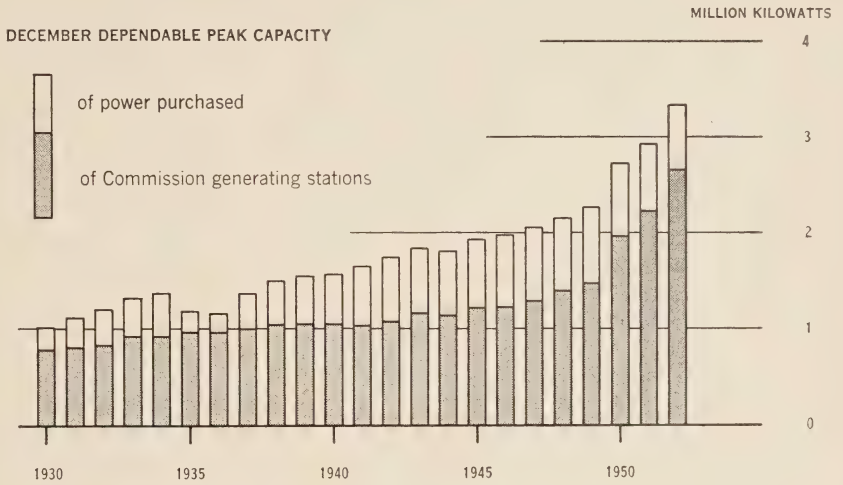
The Southern Ontario System serves the older and more populous part of Ontario lying south of a line drawn from Mattawa on the upper Ottawa River approximately west to Georgian Bay. Primarily it serves a group of 312 municipalities receiving power at cost under contracts established according to the provisions of The Power Commission Act. It is therefore referred to as a co-operative system.

While the Northern Ontario Properties is not in the same sense a co-operative system, it now serves six municipalities that were formerly members of the Thunder Bay co-operative system. As constituted from January 1, 1952, the Northern Ontario Properties is a consolidation for financial and administrative purposes of all the services operated by the Commission in northern Ontario. The consolidation differs from the Southern Ontario System in that it is not wholly integrated for operational purposes. Another important difference is that a large part of its facilities serving the industrial and mining areas of northern Ontario are held and operated in trust for the Province of Ontario.

The territory served by the Northern Ontario Properties extends in the northern part of the Province from the Quebec boundary to the boundary of Manitoba and is divided into a Northeastern and a Northwestern Division for operational purposes. Each of these Divisions is an integrated power system as the result of the gradual consolidation of several formerly isolated systems.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TOTAL POWER RESOURCES AND ENERGY PRODUCTION



As yet there is no power connection between the Divisions. Since 1950, there has been an interconnection between the Northeastern Division and the Southern Ontario System.

Financial Features

The basic principle governing the financial operations of the undertaking is that electrical service is provided by the Commission to 318 municipalities, and by the municipalities to their customers at cost. Cost includes, in addition to the cost of power purchased, all charges for operation and maintenance, for interest on capital investment, and for reserves covering depreciation, contingencies and obsolescence, and stabilization of rates. It also includes a reserve for a sinking fund to retire capital debt.

The undertaking from its inception has been self-supporting apart from the assistance provided by the Provincial Government for 50 per cent of the capital cost of rural distribution facilities. The provision of this part of rural capital is undertaken in pursuance of the Province's long-established policy of assisting agriculture. The Province also guarantees the payment of principal and interest of all bonds issued by the Commission and held by the public.

The undertaking as a whole involves two distinct phases of operations as follows:

The *first* phase of operations is the provision of the power supply—either by generation or purchase—and its transformation, transmission, and delivery in *wholesale* quantities to municipal electrical utilities, certain large industrial customers, and rural operating areas. This phase of operations is performed by The Hydro-Electric Power Commission of Ontario.

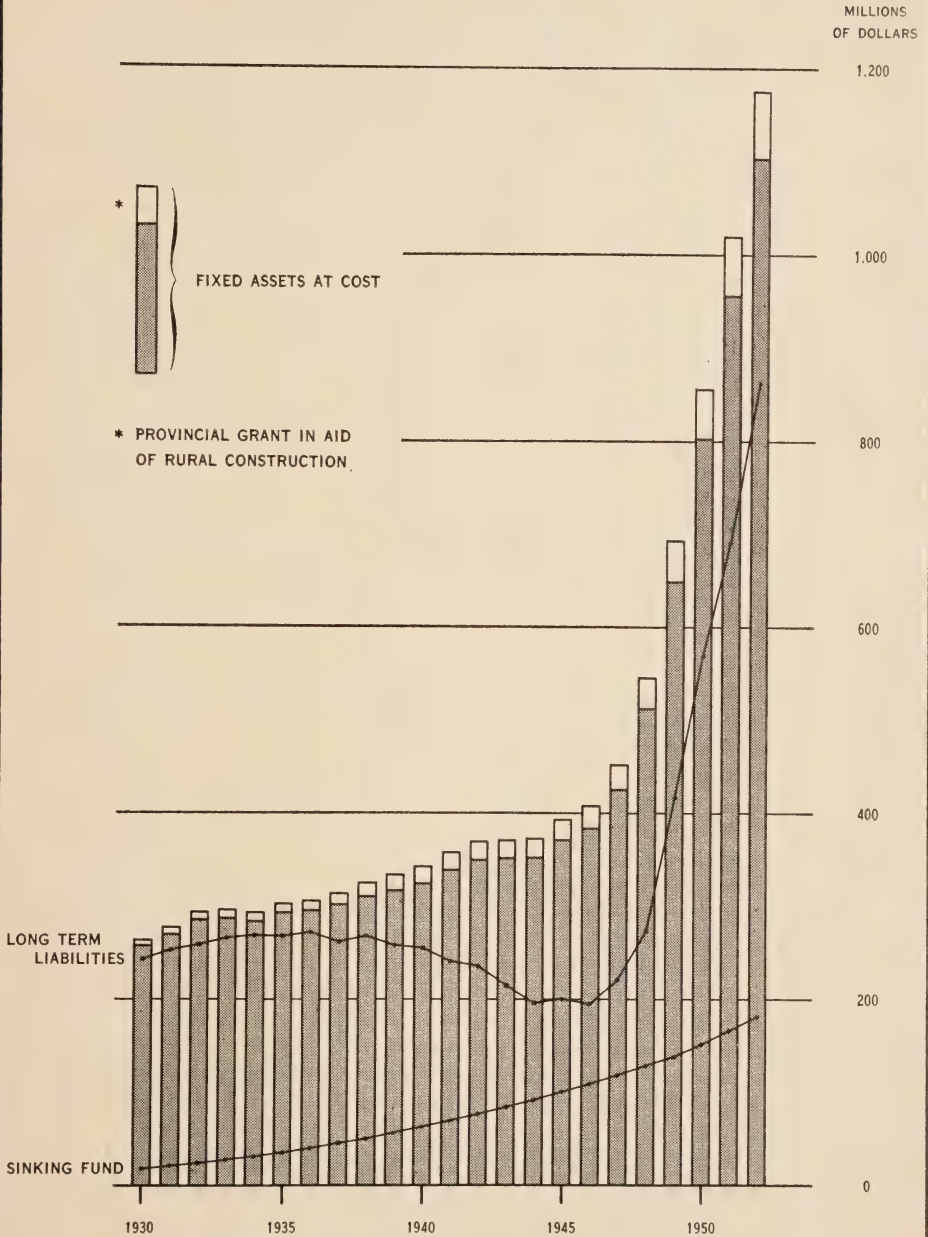
The *second* phase of operations is the *retail* distribution of electric energy. In most cities and towns, and in many villages and certain thickly populated areas of townships, retail distribution of electric energy is conducted by municipal commissions under the general supervision of The Hydro-Electric Power Commission of Ontario as provided for in The Power Commission Act and The Public Utilities Act. These local commissions own and operate their own distribution facilities. The Hydro-Electric Power Commission of Ontario owns the distribution facilities and conducts retail distribution in a small number of municipalities through what are called local systems. Throughout most of rural Ontario, the Commission, on behalf of the respective townships, operates the distribution facilities and attends to all physical and financial operations connected with the retail distribution of energy to the customers in the rural operating areas. Since 1944, the rate structure applying to the Commission's farm, hamlet, commercial, and summer service customers has been uniform throughout the Province.

Guide to the Report

Section I, "Operation of the Systems," describes and discusses the production, purchase, and delivery of power during the year. Details are given of demands, capacities, loads carried, water resources, weather conditions, and other factors affecting operations. There are also reports on the maintenance of the systems and on forestry work.

Section II, "Financial Statements," contains the Commission's balance sheets, statements of operations, and tables showing the funded debt and

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

FIXED ASSETS, LONG TERM LIABILITIES,
AND SINKING FUND

advances from the Province of Ontario. These together with supporting schedules to be found in Appendix II give a comprehensive picture of the financial organization and condition of the Southern Ontario System and the Northern Ontario Properties.

Section III, "The Commission and its Customers," gives a classification of the municipalities served by the Commission. The section includes tables and graphs depicting the growth in domestic and commercial service within certain municipalities. Reports from the regions relating to municipal activities contain brief notes on such events as the construction of new distribution facilities and the admission of new member municipalities. Reports on the Commission's frequency standardization program, direct industrial customers, and electrical inspection activities are also included in this section.

Section IV, "Rural Electrical Service," reports on the growth of supply and the trend in the cost of electrical service throughout rural Ontario.

Section V, "Engineering and Construction," tells of the planning and construction of facilities for the generation and delivery of power, giving data and descriptions of the more important projects.

Section VI, "Research and Testing Activities," contains reports on the various projects to which some forty panels of engineers and technical men devoted full or part time with a view to increasing the efficiency, economy, and safety of the Commission's operations.

Section VII, "Personnel Administration," is devoted to a brief description of the Commission's staff and of some recent developments affecting its members.

Section VIII, "Municipal Electrical Accounts," is the largest in the Report. In a series of four tabular statements, it presents the balance sheets, statements of operations, rates, and consumption statistics of 329 municipalities served by the Commission.

Appendix I—Operations, contains summary tables of loads and capacities, a table of generating station capacities and outputs, and a table showing the loads of the Commission's municipal customers.

Appendix II—Financial, supports the financial statements contained in Section II.

Appendix III—Rural, gives the details of rural rates and statistics of rural service.

Appendix IV—Engineering and Construction, provides details on the changes and additions in the Commission's transformation, transmission, and communications facilities.

Appendix V—Legislative, reproduces amendments to The Power Commission Act and a list of agreements approved.

The attention of the reader is drawn to the list of abbreviations that precedes the comprehensive index beginning on page 359.

SECTION I

OPERATION OF THE SYSTEMS

DEMANDS for primary power and energy during 1952 established new records throughout the Commission's systems. In a year of notable achievement, the dependable peak capacity of the Commission's resources was increased from 2,941,750 kilowatts in December 1951 to 3,353,350 kilowatts in December 1952. This increase of 14 per cent, the greater part of which resulted from placing new generating facilities in service in the Southern Ontario System, made possible the production of record amounts of power and energy for primary load purposes.

Of the 19,974,428,002 kilowatt-hours produced for commercial load purposes during the year, 15,271,703,979 kilowatt-hours were generated by 64 hydro-electric and 8 fuel-electric stations owned or operated by the Commission. The remaining 4,702,724,023 kilowatt-hours were purchased under regular, temporary, and short-term agreements. The net output of all resources exceeded the 1951 net output of 18,811,452,056 kilowatt-hours by 6.2 per cent.

The increasing importance of the Commission's fuel-electric resources in the combined system totals was reflected in their annual production of 413,783,440 kilowatt-hours for commercial load purposes. This was nearly four times the comparable figure of 104,135,250 kilowatt-hours in 1951.

SOUTHERN ONTARIO SYSTEM

Operation

In the Southern Ontario System alone the dependable peak capacity was increased from 2,389,250 kilowatts in December 1951 to 2,790,250 kilowatts in December 1952. This increase of 16.8 per cent included additional generation from both hydraulic and fuel-electric sources. The Otto Holden Generating Station was placed in service in January, and by the end of the year seven of its eight units were in service. One 60-cycle and one 25-cycle unit were added at Richard L. Hearn Generating Station in February and November respectively, and a second unit was placed in service at J. Clark Keith Generating Station in April.

Water storage conditions throughout the system were generally favourable during the year. Natural flows, though showing a steady decline during the early months, were augmented by drawing down storage in preparation for the freshet which occurred in the first week of April. Spring flows more than re-established the levels of most reservoirs, and flows were normal through the summer months. On the upper Ottawa River and in Quebec they were above



DES JOACHIMS GENERATING STATION

A section of the Operators' Colony

normal. Heavy rains in November followed by above-normal temperatures in December produced high natural flows which served to replenish storage reservoirs depleted during an earlier period of light precipitation. As the year closed, the levels of most of the major reservoirs on the Trent, Ottawa, Lievre, and Gatineau Rivers were well above normal.

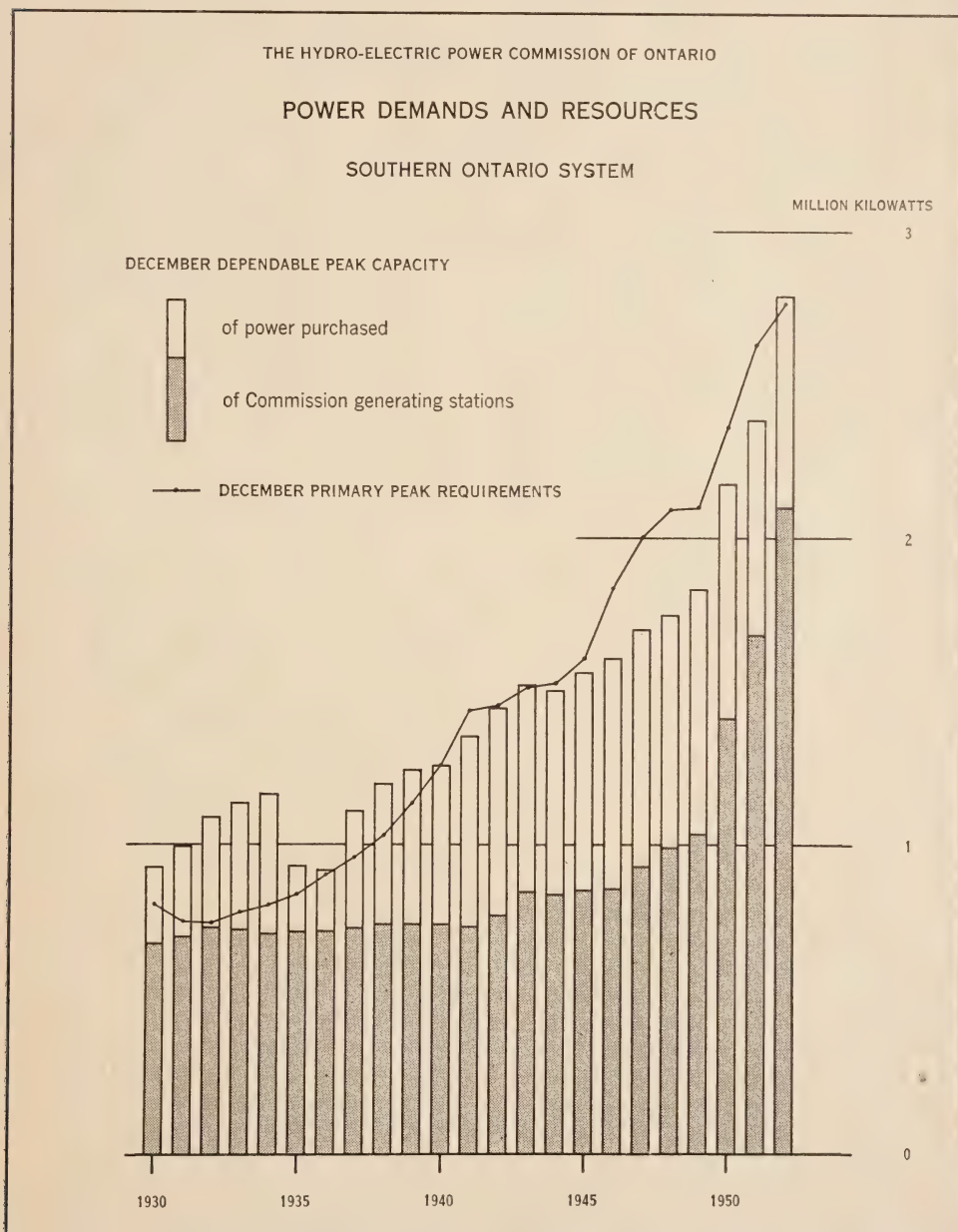
Continuity of service was well maintained under normal operating conditions during the year. A major disturbance, however, occurred during a severe electrical storm on October 1 when two transformers and four of the eight generating units at Des Joachims Generating Station, together with the 230-kv tie-line between Des Joachims and Otto Holden Generating Stations, were temporarily put out of service. The resulting loss in generation of some 350,000 kilowatts had widespread effect throughout the system, but power was restored within 38 minutes and conditions were almost normal 48 minutes after the trouble occurred. Another interruption to service, which occurred in the Niagara-Hamilton district on November 17, was brought about by a unique condition. During a lengthy dry period, dust and dirt accumulated on insulators and cross-arms. This accumulation of dirt, when moistened by a dense fog, permitted electrical leakage. The tops of a number of poles caught fire and conductors were affected so that service was interrupted.

Load Trends

The maximum amount of power produced for primary and secondary use by the system was 15.4 per cent greater than the maximum in 1951 and amounted to 2,798,476 kilowatts as compared with 2,425,909 kilowatts.

Energy produced for the system reached a total of 16,248,710,072 kilowatt-hours as compared with 15,286,391,769 kilowatt-hours in 1951, an increase of 6.3 per cent. Energy in excess of firm contracts was delivered by the Canadian Niagara Power, Gatineau Power, MacLaren-Quebec Power, Ottawa Valley Power, and Beauharnois Light, Heat, and Power Companies.

When primary power requirements during the early months of 1952 were compared with those in the same months of 1951, it was seen that the rate at which these requirements had been growing for eighteen months was declining slightly. This tendency continued and became more marked during the



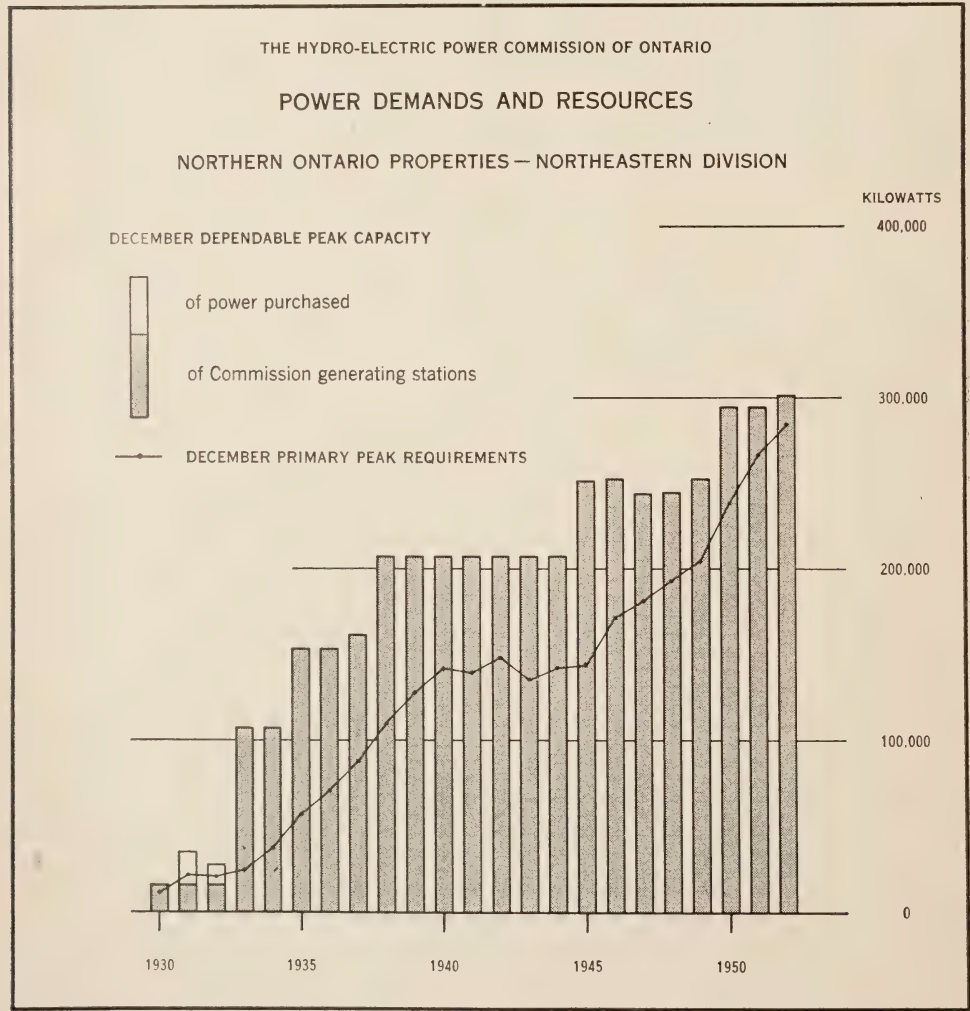
summer months, possibly as an effect of the steel strike in the United States. During the last quarter of the year, however, the rate of increase in primary power requirements rose to about 5 per cent. The December primary power requirements, in reaching a record total of 2,765,986 kilowatts, were greater than the requirements of 2,630,000 kilowatts in 1951 by 5.2 per cent. Primary energy requirements established new records in 50,986,783 kilowatt-hours for a single day and 15,462,130,372 kilowatt-hours for the entire year. Of this last amount, which exceeded the 1951 total of 14,596,446,663 kilowatt-hours by 5.9 per cent, 9,055,800 kilowatt-hours represent the estimated load cut.

NORTHERN ONTARIO PROPERTIES

NORTHEASTERN DIVISION

Operation

Extension of the Commission's service in northern Ontario included the purchase of two small hydro-electric generating stations and the rehabilitation



and incorporation of the distribution systems associated with them. Although no new generating equipment was placed in service in this Division, routine revisions of previous calculations of the capacities of existing stations increased the Division's dependable peak capacity from 294,900 kilowatts in December 1951 to 301,900 kilowatts in December 1952.

Stream-flows and storage conditions in general were much the same as those described for the Southern Ontario System, with the spring freshet occurring in the southern sectors in the first week of April and in the northern sectors two weeks later. Although precipitation was light during the early fall, reservoir levels at the year's end were above normal.

On August 19 lightning struck a 22-kv line out of Coniston Generating Station. The consequent explosion of an oil circuit-breaker caused considerable damage to the building and equipment. The largest of the station's three units was returned to service by October 24.

Load Trends

The maximum amount of power produced for primary and secondary use by the Division was 290,723 kilowatts, an increase of 4.3 per cent over the 1951 production of 278,674 kilowatts. The 1,950,491,350 kilowatt-hours of energy produced for the Division exceeded last year's production of 1,782,132,143 kilowatt-hours by 9.4 per cent.

Other records established were the primary power requirements of 287,123 kilowatts, which occurred in November, and the annual primary energy requirements of 1,830,487,160 kilowatt-hours. These exceeded last year's records of 266,078 kilowatts and 1,631,055,858 kilowatt-hours by 7.9 and 12.2 per cent respectively. During periods when production exceeded primary requirements, 120,004,190 kilowatt-hours of energy were produced for secondary use in the paper industry, and it was also possible during such periods to transfer energy for advantageous disposal in the Southern Ontario System. Transfers in the reverse direction aided the Northeastern Division during a period of low run-off in November. The net result of these interchanges was the transfer of 105,799,500 kilowatt-hours to the Southern Ontario System.

NORTHWESTERN DIVISION

Operation

Although no new generating equipment was placed in service in this Division, routine revisions of previous calculations of the capacities of existing stations increased the Division's dependable peak capacity from 257,600 kilowatts in December 1951 to 261,200 kilowatts in December 1952.

The freshet in this Division did not reach normal proportions in 1952 as the snow cover was lighter than usual. Stream-flows and storage conditions were good during the summer months. The deficiency in precipitation which prevailed throughout the Province during the fall affected run-off. By close regulation of storage, however, reservoirs were kept close to normal at the end of the year.

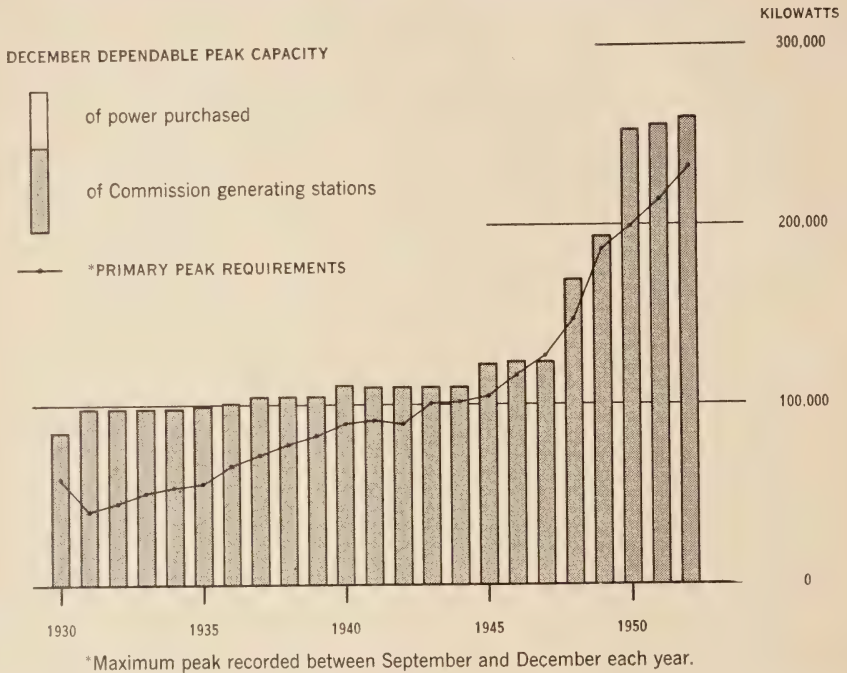
Load Trends

The Northwestern Division produced a maximum of 255,522 kilowatts in 1952. This was 2.2 per cent higher than the 249,926 kilowatts produced in 1951. The total of 1,775,226,580 kilowatt-hours generated and purchased was also a

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

POWER DEMANDS AND RESOURCES

NORTHERN ONTARIO PROPERTIES — NORTHWESTERN DIVISION



new record and exceeded the 1,742,928,144 kilowatt-hours generated and purchased in 1951 by 1.9 per cent.

In the Northwestern Division, as in the Northeastern, primary power requirements reached a maximum during the month of November. This maximum of 231,722 kilowatts was 8.3 per cent greater than the previous year's record of 213,920 kilowatts. Energy requirements of 1,491,041,854 kilowatt-hours reached a new high and exceeded the 1951 requirements of 1,415,524,972 kilowatt-hours by 5.3 per cent.

MAINTENANCE OF THE SYSTEMS

Stations

In addition to routine maintenance and inspection of all hydraulic equipment, nineteen turbines were completely overhauled. These included one turbine at each of the "Toronto Power" and "Ontario Power" Generating Stations and two turbines at Sir Adam Beck-Niagara Generating Station No. 1. Also included were two at Alexander Generating Station as part of the program begun in 1951 and reported last year. Turbine runners at Chats Falls and Stewartville were welded under the submerged arc and the argon arc processes without the necessity of dismantling the equipment. These two welding processes, mentioned as being under test in 1951, gave promise of reducing maintenance costs on hydraulic equipment.

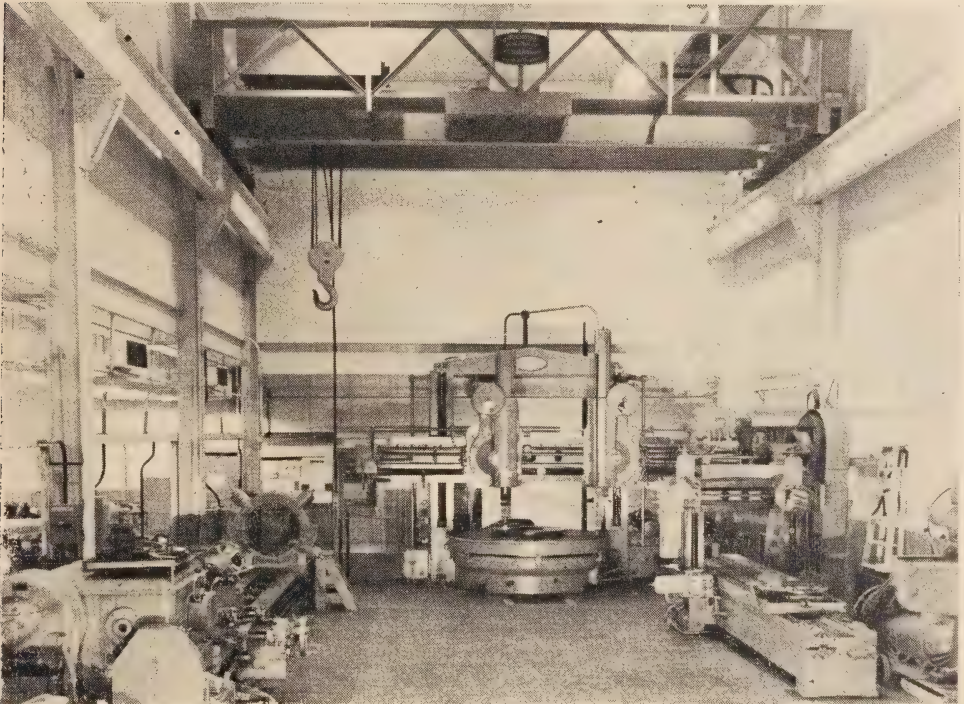
The method of dry-cleaning rotating-machine windings by soft-grit blasting was more generally adopted during the year. The ground insulation on most machines receiving a major overhaul was subjected to the most up-to-date tests and the results were an important factor in determining the extent of maintenance required.

Work on inspection and maintenance of equipment, both mechanical and electrical, proceeded on satisfactory schedules. Particular attention was given to the inspection and rehabilitation of major items of equipment being transferred to new locations after several years of service. Four 115-kv oil circuit-breakers and 175 transformers with capacities of 100 kva or greater were reconditioned as part of this program.

Major items of electrical equipment affected by serious failure included one generator, one frequency-changer, two power transformers, and two large voltage regulators.

Lines

During the year, 4,161 transmission poles and 13,279 distribution poles were replaced. In the Western, West Central, Niagara, and Toronto Regions 719 towers were painted and the resistance of insulators on 292 circuit miles of high-voltage line was measured.



MAINTENANCE SHOP

This installation at Cameron Falls Generating Station shows the large mechanical equipment that is typical in the Commission's maintenance shops.

FORESTRY

Upon completion of power development projects the Commission seeks to re-establish and maintain the natural beauty of the areas surrounding construction sites. With this end in view a program of reforestation has been undertaken to beautify the Gibson Lake area in the Niagara Region and to reforest lands cleared for construction purposes at the Des Joachims Generating Station and at other power developments.

Approximately 91 acres of land in the Niagara, Eastern, and Northeastern Regions were planted with seedling trees in 1952. Almost 89,000 seedlings were planted, 41,400 in the Niagara, 44,500 in the Eastern, and 3,000 in the Northeastern Region. In the last five years about 389,000 trees have been planted or replaced by the Commission.

The control of brush growth in order to maintain efficient operation of the Commission's transmission lines is in itself a large-scale operation. Some 50,000 acres of rights-of-way, where the control of brush by repeated manual cuttings proved ineffective, can be economically maintained in good condition by the use of chemicals applied by power equipment. During 1952 the area of rights-of-way treated with chemical spray under the new program was nearly 8,000 acres or twice as great as the area treated in 1951.

Treatment of trees and brush cutting also were part of an extensive long-term program of line clearing. This work was undertaken partly by foresters and partly by members of the staffs of the regions.



BRUSH SPRAYING

Chemical control of brush growth involved the treatment of 8,000 acres in 1952.

SECTION II

FINANCIAL STATEMENTS

Relating to

Properties Operated by The Hydro-Electric Power Commission of
Ontario on Behalf of the Co-operating Municipalities and
Rural Power District of the
Southern Ontario System

and to

Northern Ontario Properties Held and Operated
by the Commission in Trust for the Province of Ontario
and on Behalf of Municipalities Supplied with Power at Cost

Description	Southern Ontario System	Northern Ontario Properties
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The financial statements of The Hydro-Electric Power Commission of Ontario that appear in this section and in Appendix II are divided into two groups as indicated in the table above. This grouping differs from that used in the Report for 1951 as a result of an arrangement with the municipalities of the Thunder Bay System and the Provincial Government (subsequently ratified by legislation) whereby the Thunder Bay System and the Northern Ontario

Properties were merged for financial and administrative purposes on January 1, 1952. These two entities are now known jointly as the Northern Ontario Properties. The segregation of reserves made at the time of the consolidation is reflected in various statements in this Report.

The first group of statements relates to activities in the Southern Ontario System on behalf of its co-operating municipalities and in connection with that part of the Rural Power District associated with the system.

The second group relates to the administration of the Northern Ontario Properties which include facilities held and operated in trust for the Province of Ontario to serve rural and other system customers, and facilities serving the system's co-operating municipalities.

Co-operative Aspects of the Undertaking

In the Foreword to this Report a brief reference is made to the basic principle governing the operations of the Hydro undertaking in supplying electrical service at cost, and to the wholesale and retail aspects of the operation.

Financial Accounts of the Commission

In this section and its appendix the collective results of the activities of the Southern Ontario System are given first. These include a balance sheet, a statement of operations, and supporting data regarding fixed assets and reserves. The corresponding statements for Northern Ontario Properties follow in the same order. Also in this section are tables showing the funded debt of the Commission and the advances from the Province of Ontario.

Accounts of Cost-Contract Municipal Electrical Utilities

In addition to accounts of the Commission's collective activities, Appendix II contains tables relating to each municipality's part in the wholesale operations of the Commission.

The statements which present the cost of power supplied by the Commission to co-operating municipalities in the Southern Ontario System and Northern Ontario Properties begin on pages 292 and 320 respectively. The latter group of municipalities were formerly listed under the Thunder Bay System.

The municipalities are billed each month at estimated interim rates. At the end of the year, when the Commission's books are closed and the actual cost payable by each municipality for power taken has been determined, the necessary credit or debit adjustments are made. The net refund to municipalities of the Southern Ontario System supplied with power at cost totalled \$1,800,944 in 1952 compared with \$2,417,948 in 1951. The corresponding figures for cost-contract municipalities in the Northern Ontario Properties were \$77,610 for 1952 and \$102,950 for 1951.

Included in the municipalities' remittances to the Commission for the wholesale cost of power is a sinking fund provision on a forty-year basis for the purpose of debt retirement. A table showing the sinking fund equity acquired by each municipality is given in Appendix II.

The ultimate source of all revenue to meet costs—whether for the larger operations of the Commission or for the local operations of the municipalities—is the customer who makes use of the power supplied. Out of the total revenue collected by each municipal utility from its customers for service supplied,



Modern furniture and equipment in an accounting section at Head Office

only an amount sufficient to pay the wholesale cost of power is remitted to the Commission. The balance of municipal electrical utility revenue is retained to pay costs incurred in the distribution of electric energy to its customers.

The balance sheets, operating reports, and statistical data of individual municipal electrical utilities appear in Section VIII under the heading "Municipal Electrical Accounts". An explanatory introduction precedes these statements in Section VIII.

Auditing of Accounts

The accounts of the Commission are verified by auditors appointed by the Provincial Government. The accounts of each municipal electrical utility are kept in accordance with a uniform system of accounting as prescribed by The Hydro-Electric Power Commission of Ontario. Pursuant to the requirements of The Public Utilities Act they are audited by the auditors of the municipal corporation.

Southern Ontario System—Operation

Financial operating results were adversely affected by increases in wages, material prices, and interest rates. Operating costs also increased as the result of the growing use of power produced from thermal sources. While thermal generation represented only 0.88 per cent of the total cost in 1951, its increased use brought this proportion to 7.37 per cent in 1952.

The interim rates charged to the co-operating municipalities were not generally increased for the year 1952. Increased costs were partially offset by the withdrawal of \$1,968,659 from the reserve for stabilization of rates

held specifically for the benefit of the Niagara Division, and the withdrawal of \$93,227 from a similar reserve held for the benefit of the Georgian Bay Division. These withdrawals were credited in the costs of these Divisions. Similar action was not necessary in the Eastern Ontario Division principally because of the greater margin in the existing interim rates.

Rural revenues within the Southern Ontario System were \$21,055,739, and operating costs were \$21,030,576. This produced a surplus of \$25,163 as compared with a surplus of \$65,093 for the year 1951.

Northern Ontario Properties—Operation

The interim rates to municipalities supplied with power at cost were not increased in 1952 as they included a margin that would partially cover the increasing elements of cost. It was necessary, however, to withdraw the sum of \$57,335 from the rates stabilization reserve which had been provided by, and was held for the benefit of, these municipalities.

A rate increase of 15 per cent for industrial customers served under contracts for the account of the Province of Ontario was introduced in July 1951. A corresponding increase of approximately 14 per cent in rates applicable to fixed-rate contracts was introduced in October 1952.

During 1952, however, mounting costs of service largely offset higher revenues from industrial and fixed-rate customers. The 1952 surplus was \$22,485 after appropriating \$549,842 from the reserve for contingencies and obsolescence held for the benefit of the Province of Ontario. This small surplus compares with a loss of \$536,223 in 1951.



New accounting machines installed at Head Office

The cost of conducting rural operations exceeded revenues by \$481,965 during the year.

The balance sheet of the Northern Ontario Properties shows an accumulated deficit of \$2,982,575 for the account of the Province of Ontario.

Summary of Financial Position—All Systems

Capital expenditures during 1952 amounted to \$162,831,482, of which 60 per cent was on generation, reflecting principally expenditures on Sir Adam Beck-Niagara Generating Station No. 2, and the development of the fuel-electric generation program.

The gross investment in fixed assets amounted to \$1,176,866,092 at December 31, 1952, against which there was an accumulated reserve for depreciation of \$136,717,958.

Included in the gross investment is an amount representing rural assets under administration totalling \$145,469,077. Of this amount, \$71,841,139 has been provided by the Province of Ontario in rural assistance, including \$8,825,973 received in 1952. This assistance, provided by the Province specifically for construction in the Rural Power District, is shown as a deduction from rural assets on each balance sheet.

At December 31, 1952, the assets of the Commission amounted to \$1,193,983,213.

Expenditures on frequency standardization during 1952 amounted to \$36,907,944. At the end of the year inventories of material and equipment for future standardization work stood at \$24,964,938, a reduction of \$1,781,713 from inventories in 1951. The frequency standardization program was financed from internal resources of the Commission.

From the beginning of the frequency standardization program to December 31, 1952, an amount of \$517,032 had been spent on the standardization of rural distribution facilities. All of this amount was recovered from rural revenues.

Bonds totalling \$185 million were issued to provide for capital construction and the reduction of \$25,603,780 in the bank overdraft outstanding at December 31, 1951. A total of \$13,042,973 of capital debt was retired during the year.

Long-term debt outstanding at December 31, 1952 amounted to \$862,291,118, while accumulated sinking funds stood at \$181,512,511.

THE HYDRO-ELECTRIC POWER
SOUTHERN
BALANCE SHEET

ASSETS

FIXED ASSETS AT COST:

Power system.....	\$831,663,104	
Administrative and service buildings and equipment.....	18,031,190	
Rural Power District.....	\$125,022,871	
Less assistance for rural construction from Province of Ontario.....	61,696,337	
	<u>63,326,534</u>	
	\$913,020,828	
Less reserve for depreciation.....	<u>114,744,533</u>	
		\$ 798,276,295

FREQUENCY STANDARDIZATION:

Equipment, supplies, and other assets for future standardiza- tion work.....	\$ 24,964,938	
Cost of completed standardization after charging \$85,296,626 to Reserves and Cost of Power—balance to be written off in future years.....	<u>14,707,585</u>	
		39,672,523

CURRENT ASSETS:

Working funds.....	\$ 184,840	
Power accounts receivable.....	11,273,614	
Other accounts receivable.....	4,763,210	
Rural Power District grants receivable.....	1,815,606	
Interest accrued on reserve fund investments.....	763,065	
Customers' securities on deposit.....	234,750	
Prepayments and sundry deposits.....	271,204	
Northern Ontario Properties—current account.....	<u>307,890</u>	
		19,614,179

INVENTORIES HELD FOR CONSTRUCTION AND MAINTENANCE:

Materials and supplies at cost.....	\$ 32,129,449	
Tools and equipment at cost less depreciation.....	<u>7,559,369</u>	
		39,688,818

DEFERRED CHARGES AND OTHER ASSETS:

Debenture discount and expense less amounts written off...	\$ 10,730,526	
Agreements, mortgages and sundry investments.....	99,975	
Work in progress—deferred work orders.....	<u>5,306,226</u>	
		16,136,727

RESERVE FUND INVESTMENTS:

Investments in government and government-guaranteed bonds at amortized cost (approximate market value \$90,839,976)		
Held for: Pension fund.....	\$ 33,612,867	
Employers' liability insurance fund.....	4,749,636	
Contingencies and obsolescence and stabilization of rates reserves.....	<u>56,368,265</u>	
		94,730,768
		<u>\$ 1,008,119,310</u>

NOTE: Effective January 1, 1952 the assets and liabilities of the former Thunder Bay System were transferred to the Northern Ontario Properties in accordance with The Power Commission Amendment Act, 1953.

Auditors' Report

We have examined the balance sheet of the Southern Ontario System of The Hydro-Electric Power Commission of Ontario, as at December 31, 1952, and the statement of operations for the year ended on that date and have obtained all the information and explanations we have required. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statement of operations are properly drawn up so as to exhibit

COMMISSION OF ONTARIO

ONTARIO SYSTEM

AS AT DECEMBER 31, 1952

LIABILITIES AND RESERVES

LONG-TERM LIABILITIES (at par of exchange) including

\$21,523,097 maturing in 1953

Funded debt.....	\$806,719,000
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Less—issued to finance Northern Ontario Properties, a separate trust operated by the Commission.....	123,965,000
---	-------------

\$682,754,000

Advances from the Province of Ontario....	\$55,572,118
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Less advances for Northern Ontario Properties.....	9,611,294
---	-----------

45,960,824

\$ 728,714,824

CURRENT LIABILITIES:

Bank overdraft (partly secured).....	\$ 1,062,743
--------------------------------------	--------------

Accounts and payrolls payable.....	18,716,765
------------------------------------	------------

Customers' deposits.....	692,034
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Interest accrued on long-term liabilities.....	5,887,050
--	-----------

Miscellaneous accruals.....	1,721,915
-----------------------------	-----------

28,080,507

SPECIAL RESERVES:

Pension fund.....	\$ 35,102,639
-------------------	---------------

Employers' liability insurance fund.....	5,130,831
--	-----------

Exchange premium received on funded debt.....	5,491,506
---	-----------

45,724,976

GENERAL RESERVES:

Contingencies and obsolescence.....	\$ 33,830,586
-------------------------------------	---------------

Stabilization of rates.....	23,941,643
-----------------------------	------------

Rural Power District—rates suspense.....	2,608,592
--	-----------

Miscellaneous.....	437,687
--------------------	---------

60,818,508

SINKING FUND RESERVE:

Represented by funded debt and provincial advances retired through sinking funds.....	
--	--

144,780,495

\$ 1,008,119,310

NOTE: Commitments under uncompleted contracts for the construction of Fixed Assets, approximately \$47,000,000.

a true and correct view of the state of the affairs of the Southern Ontario System of the Commission as at December 31, 1952 (subject to the trusts which prevail in respect thereto), and the results of the operations for the year ended on that date, according to the best of our information and the explanations given to us and as shown by the books of the Commission.

Toronto, Canada,
June 15, 1953.

CLARKSON, GORDON & CO.
Chartered Accountants.

NORTHERN

Held and Operated by The Hydro-Electric Power Commission of Ontario in

BALANCE SHEET

ASSETS AND DEFICIT

FIXED ASSETS AT COST:

Power system.....	\$181,022,260	
Administrative and service buildings and equipment.....	680,460	
Rural Power District.....	\$20,446,206	
Less assistance for rural construction from Province of Ontario.....	10,144,802	
	<hr/>	10,301,404
	\$192,004,124	
Less reserve for depreciation.....	21,973,425	
	<hr/>	\$170,030,699

CURRENT ASSETS:

Working funds.....	\$ 25,490	
Power accounts receivable.....	2,189,804	
Other accounts receivable.....	182,341	
Interest accrued on reserve fund investments.....	38,711	
Customers' securities on deposit.....	1,392,562	
Prepayments.....	7,245	
	<hr/>	3,836,153

INVENTORIES HELD FOR MAINTENANCE:

Materials and supplies at cost.....	\$ 1,833,591	
Tools and equipment at cost less depreciation.....	860,951	
	<hr/>	2,694,542

DEFERRED CHARGES AND OTHER ASSETS:

Debenture discount and expense less amounts written off...	\$ 1,690,190	
Account receivable in annual instalments 1953-1989.....	2,032,725	
Work in progress—deferred work orders.....	562,355	
	<hr/>	4,285,270

RESERVE FUND INVESTMENTS:

Government and government-guaranteed bonds at amortized cost (approximate market value \$2,297,125) held for sinking fund reserve.....		2,342,554
--	--	-----------

DEFICIT—Account of the Province of Ontario.....		2,982,575
---	--	-----------

\$186,171,793

NOTE: Effective January 1, 1952 the assets and liabilities of the former Thunder Bay System were transferred to the Northern Ontario Properties in accordance with The Power Commission Amendment Act, 1953.

Auditors' Report

We have examined the balance sheet of the Northern Ontario Properties, held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario and municipalities supplied with power at cost, as at December 31, 1952, and the statements of operations and deficit for the year ended on that date and have obtained all the information and explanations we have required. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statements of operations and deficit are properly drawn up

ONTARIO PROPERTIES

trust for the Province of Ontario and Municipalities Supplied with Power at Cost

AS AT DECEMBER 31, 1952

LIABILITIES AND RESERVES

LONG-TERM LIABILITIES* (at par of exchange):

including \$283,462 maturing in 1953

Funded debt..... \$123,965,000

Advances from the Province of Ontario..... 9,611,294

\$133,576,294

CURRENT LIABILITIES:

The Hydro-Electric Power Commission of Ontario—current
account..... \$ 307,890

Customers' deposits..... 2,152,714

Interest accrued on long-term liabilities..... 1,138,765

Miscellaneous accruals..... 401,208

4,000,577

SPECIAL RESERVE:

Exchange premium received on funded debt..... 183,205

GENERAL RESERVES:

Contingencies and obsolescence for the benefit of:

Province of Ontario..... \$ 899,208

Municipalities supplied with power at
cost..... 1,348,526

Northern Ontario Properties..... 8,141,099

\$ 10,388,833

Stabilization of rates for the benefit of:

Province of Ontario..... \$ 748,873

Municipalities supplied with power at
cost..... 541,995

1,290,868

11,679,701

SINKING FUND RESERVE:

Province of Ontario..... \$ 28,220,186

Municipalities supplied with power at cost..... 8,511,830

36,732,016

Represented by—

Funded debt and provincial advances
retired through sinking funds..... \$34,399,269

Sinking fund investments..... 2,332,747

\$36,732,016

\$186,171,793

* The long-term liabilities represent the portion of the funded debt and advances from the Province of Ontario owing by The Hydro-Electric Power Commission of Ontario and issued to finance Northern Ontario Properties.

so as to exhibit a true and correct view of the state of the affairs of the Northern Ontario Properties as at December 31, 1952 (subject to the trusts which prevail in respect thereto), and the results of the operations for the year ended on that date, according to the best of our information and the explanations given to us and as shown by the books of the Commission.

Toronto, Canada,
June 15, 1953.

CLARKSON, GORDON & CO.
Chartered Accountants.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

STATEMENT OF OPERATIONS
for the Year Ended December 31, 1952

	Power system	Rural Power District	Total
	\$	\$	\$
COST OF POWER:			
Cost of power purchased.....	13,102,985	.....	13,102,985
Interchange of power with Northern Ontario Properties.....	301,166	.....	301,166
Operating, maintenance and administrative expenses	24,510,215	6,530,861	31,041,076
Interest (including interest on funded debt and reserves, less interest earned on investments)....	24,147,336	2,146,258	26,293,594
Frequency standardization:			
Interest.....	948,355	.....	948,355
Portion of cost written off.....	6,354,293	.....	6,354,293
Provision for depreciation.....	6,570,514	1,130,611	7,701,125
Provision for contingencies.....	2,424,614	1,405,611	3,830,225
Provision for sinking fund.....	6,743,645	599,312	7,342,957
	85,103,123	11,812,653	96,915,776
Withdrawal from stablization of rates reserve.....	2,061,885	.....	2,061,885
	83,041,238	11,812,653	94,853,891
Cost of power supplied to Rural Power District....	9,217,923	9,217,923	.....
Total (after withdrawal of \$2,061,885 from stablization of rates reserve).....	73,823,315	21,030,576	94,853,891
AMOUNTS BILLED TO MUNICIPALITIES AND OTHER CUSTOMERS:			
Municipalities at interim rates.....	53,908,607	.....	53,908,607
Rural Power District.....	.....	21,055,739	21,055,739
Companies.....	21,372,752	.....	21,372,752
Local distribution systems.....	342,900	.....	342,900
Total.....	75,624,259	21,055,739	96,679,998
Excess of amounts billed over cost of power (after withdrawal of \$2,061,885 from stablization of rates reserve).....	.....	.....	1,826,107
Credited to municipalities on annual adjustment...	1,800,944	.....	.....
Credited to Rural Power District rates suspense...	.....	25,163	.....

NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario and Municipalities Supplied with Power at Cost

STATEMENT OF OPERATIONS
For the Year Ended December 31, 1952

	Province of Ontario			Municipalities supplied with power at cost	Total
	Rural Power District	Other customers	Total		
COST OF POWER:	\$	\$	\$	\$	\$
Cost of power purchased		46,135	46,135		46,135
Interchange of power with Southern Ontario System		301,166	301,166		301,166
Operating, maintenance and administrative expenses	740,596	7,056,509	7,797,105		7,797,105
Interest (including interest on funded debt and reserves, less interest earned on investments) ..	293,258	6,039,544	6,332,802		6,332,802
Provision for depreciation	166,385	1,672,625	1,839,010		1,839,010
Provision for contingencies	166,385	467,111	633,496		633,496
Provision for sinking fund	87,843	1,821,067	1,908,910		1,908,910
	1,454,467	16,801,825	18,256,292		18,256,292
Cost of power to municipalities supplied at cost		1,801,336	1,801,336	1,801,336	
Cost of power supplied to Rural Power District	753,904	753,904			
	2,208,371	14,246,585	16,454,956	1,801,336	18,256,292
Withdrawal from stabilization of rates reserve				57,335	57,335
Withdrawal from reserve for con- tingencies and obsolescence		549,841	549,841		549,841
Total after deducting withdrawals from reserves	2,208,371	13,696,744	15,905,115	1,744,001	17,649,116
AMOUNTS BILLED:					
Municipalities supplied with power at cost (at interim rates)				1,821,610	1,821,610
Rural Power District	1,726,406		1,726,406		1,726,406
Other customers		13,719,229	13,719,229		13,719,229
Total	1,726,406	13,719,229	15,445,635	1,821,610	17,267,245
Excess or deficiency of amounts billed over cost of power after deducting withdrawals from reserves	481,965	22,485	459,480	77,609	381,871
Interest on borrowings to finance deficit account			101,699		101,699
Balance					483,570
Transferred to deficit account			561,179		
Credited to municipalities on annual adjustment				77,609	

Statement of Deficit—Account of the Province of Ontario
For the Year Ended December 31, 1952

Balance at debit January 1, 1952	\$ 2,233,152
Add:	
Balance Thunder Bay System Rural Power District deficit at January 1, 1952 transferred	208,345
Prior year adjustment	20,101
Balance transferred from operating account for year ended December 31, 1952 ..	561,179
Balance at debit December 31, 1952	\$ 2,982,575

THE HYDRO-ELECTRIC POWER

FUNDED DEBT AS AT
Guaranteed as to principal and interest

Date of maturity	Callable at par on or after	Date of issue	Interest rate
			per cent
Jan. 1, 1953.....	Jan. 1, 1951(a)	Jan. 1, 1943	3
Nov. 1, 1953.....	.....	Nov. 1, 1948	2½
Mar. 31, 1957.....	.....(e).....	Mar. 31, 1952	3
July 15, 1954.....	.....	July 15, 1949	2½
Nov. 1, 1954.....	.....	May 1, 1950	2½
Apr. 1, 1956.....	.....	Apr. 1, 1947	2
Aug. 1, 1957.....	.....	Aug. 1, 1917	4
June 1, 1958.....	.....	June 1, 1918	4
Dec. 1, 1958.....	.....	Dec. 1, 1918	4
Jan. 1, 1960.....	Jan. 1, 1955	Jan. 1, 1945	3
Mar. 1, 1963.....	Mar. 1, 1961	Mar. 1, 1948	3
July 2, 1964.....	July 2, 1960	July 2, 1948	3
Dec. 15, 1965.....	Dec. 15, 1963	Dec. 15, 1948	3
May 1, 1966.....	May 1, 1964	May 1, 1951	3½
Jan. 15, 1967.....	Jan. 15, 1965	Jan. 15, 1952	4
Apr. 1, 1967.....	Apr. 1, 1964	Apr. 1, 1947	2¾
Apr. 1, 1967.....	Apr. 1, 1965	Apr. 1, 1949	3
Nov. 1, 1967.....	Nov. 1, 1964	Nov. 1, 1952	4¼
Nov. 1, 1967.....	Nov. 1, 1964	Nov. 1, 1952	4¼
Jan. 15, 1968.....	Jan. 15, 1966	July 15, 1949	3
Apr. 15, 1968.....	Apr. 15, 1966	Apr. 15, 1952	4
Oct. 1, 1968.....	Oct. 1, 1965	Oct. 1, 1947	2¾
Nov. 1, 1969.....	Nov. 1, 1967	Nov. 1, 1949	3
Jan. 1, 1970.....	.....	Jan. 1, 1930	4¾
Apr. 1, 1970.....	Apr. 1, 1968	Apr. 1, 1950	3
May 15, 1971.....	May 15, 1956(a)	May 15, 1951	3¼
June 1, 1971.....	June 1, 1961	June 1, 1946	2¾
Sept. 1, 1972.....	Sept. 1, 1956(a)	Sept. 1, 1951	3¼
June 15, 1973.....	June 15, 1971	June 15, 1950	3
Total Funded Debt (at par of exchange).....			

Summary of changes in funded debt

Outstanding at December 31, 1951.....	
Transfer of debt in respect of the Thunder Bay System in accordance with The Power Commission Amendment Act, 1953.....	
Less redemptions during year.....	
Add new bond issues during year.....	
Outstanding at December 31, 1952.....	

Payable in the

Canadian.....	
United States.....	
Canadian, United States, or Sterling.....	

(a) Callable at 101. (b) Payable in U.S. funds. (c) Payable in Can., U.S., or Sterling funds.
(d) Held by Province of Ontario and having terms identical with issues sold in the United States, by the Province
of Ontario, on behalf of the Commission. (e) \$5 million annually 1953-1957.

COMMISSION OF ONTARIO

DECEMBER 31, 1952

by the Province of Ontario (except issues marked *)

Principal outstanding December 31, 1952

Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
5,000,000(b)	.....	5,000,000(b)
10,000,000	.....	10,000,000*
25,000,000	.....	25,000,000
5,000,000	.....	5,000,000
15,000,000	.....	15,000,000*
5,106,545	4,893,455	10,000,000
8,000,000(c)	.....	8,000,000(c)
200,000	.....	200,000
100,000	.....	100,000
.....	7,500,000	7,500,000
25,490,000	8,910,000	34,400,000
26,280,000	13,620,000	39,900,000
45,000,000	.....	45,000,000
24,000,000	6,000,000	30,000,000
48,000,000	2,000,000	50,000,000
10,703,455	4,119,545	14,823,000
11,600,000	32,775,000	44,375,000
35,000,000	.....	35,000,000
22,000,000	3,000,000	25,000,000
37,000,000	6,775,000	43,775,000
50,000,000	.....	50,000,000
13,500,000	5,916,000	19,416,000
38,000,000	11,650,000	49,650,000
11,864,000	.....	11,864,000
48,500,000	5,966,000	54,466,000
47,000,000(b)	3,000,000(b)	50,000,000*(b) (d)
14,910,000	4,940,000	19,850,000
48,500,000(b)	.....	48,500,000*(b) (d)
52,000,000	2,900,000	54,900,000
682,754,000	123,965,000	806,719,000

during year ended December 31, 1952

\$549,458,000	\$ 74,820,000	\$624,278,000
44,960,000	44,960,000	.....
\$504,498,000	\$119,780,000	\$624,278,000
1,744,000	815,000	2,559,000
\$502,754,000	\$118,965,000	\$621,719,000
180,000,000	5,000,000	185,000,000
\$682,754,000	\$123,965,000	\$806,719,000

following currencies:

\$574,254,000	\$120,965,000	\$695,219,000
100,500,000	3,000,000	103,500,000
8,000,000	.....	8,000,000
\$682,754,000	\$123,965,000	\$806,719,000

THE HYDRO-ELECTRIC POWER

ADVANCES FROM THE PROVINCE OF

Repayable to the Province in accordance with the terms of Province

Date of maturity	Description	Interest rate
		per cent
December 1, 1953-1955.....	Serial bonds	4½
January 15, 1953-1957.....	Serial bonds	4½
November 1, 1953-1957.....	Serial bonds	4½
May 15, 1953-1968.....	Annuity bonds	4
May 15, 1953-1970.....	Annuity bonds	4½
January 15, 1953-1971.....	Annuity bonds	4½
June 1, 1953-1971.....	Annuity bonds	4
May 1, 1959.....	Bonds	5
December 2, 1960.....	Bonds	5

Total Advances (at par of exchange).....

Summary of changes in advances from Province

Balance of advances at December 31, 1951.....	
Transfer of advances in respect of the Thunder Bay System in accordance with The Power Com- mission Amendment Act, 1953.....	
Less repayments during year.....	
Balance of advances at December 31, 1952.....	

COMMISSION OF ONTARIO

ONTARIO AS AT DECEMBER 31, 1952

of Ontario bonds issued in part for the purposes of the Commission

Balance of advances outstanding December 31, 1952 (Payable in Canadian, United States, or Sterling Funds)		
Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
464,294	107,825	572,119
951,147	228,426	1,179,573
1,676,156	199,163	1,875,319
7,207,757	486,805	7,694,562
5,854,239	1,418,761	7,273,000
3,139,100	771,094	3,910,194
4,027,864	1,486,461	5,514,325
11,129,972	2,328,952	13,458,924
11,510,295	2,583,807	14,094,102
<u>45,960,824</u>	<u>9,611,294</u>	<u>55,572,118</u>

of Ontario during year ended December 31, 1952

\$61,541,918	\$ 4,514,173	\$66,056,091
<u>5,664,672</u>	<u>5,664,672</u>	<u>.....</u>
\$55,877,246	\$10,178,845	\$66,056,091
9,916,422	567,551	10,483,973
<u>\$45,960,824</u>	<u>\$ 9,611,294</u>	<u>\$55,572,118</u>

SECTION III

THE COMMISSION AND ITS CUSTOMERS

**Municipal Load Conditions Reviewed—Summary Tabulations
for Domestic and Commercial Light Service—Frequency
Standardization—Service to Direct Industrial Customers—
Lighting Service—Electrical Inspection—
Reports from the Regions**

AT December 31, 1952, the Commission was supplying electric power to 1,244 municipalities in the Province under provisions of The Power Commission Act.

The municipalities may be divided into four groups according to the method under which they are served.

**MUNICIPALITIES SERVED BY
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
DECEMBER 31, 1952**

Group	Classification	Number
1	Municipalities owning their own distribution systems and served through municipal electrical utilities under:	
	(a) Cost contract.....	318
	(b) Fixed-rate contract.....	11
		329
2	Municipalities served through other municipal electrical utilities.....	5
3	Municipalities, not in the Rural Power District, whose customers are served directly by the Commission.....	33
4	Municipalities in the Rural Power District whose customers are served directly by the Commission on the municipalities' behalf (mainly township areas, but certain towns, villages, police villages, and improvement districts included through special provision).....	877
	Total.....	1,244

TYPES OF MUNICIPALITIES SERVED

Cities.....	27
Towns.....	125
Villages.....	152
Police Villages.....	172
Townships—Organized and Unorganized.....	748
Improvement Districts.....	9
Mining Townsites.....	11
Total.....	1,244

The Commission extended its services at numerous points in the Province during the year. Power was made available to residents of Thorah Island in Lake Simcoe through the laying of 1.8 miles of submarine cable. New customers were acquired in the Commission's Eastern Region as a result of the purchase of the transformation and distribution facilities of the Gatineau Electric Light Company, which had served an area comprising Alfred, Hawkesbury, L'Orignal, Vankleek Hill, and the adjacent rural districts.

Extensive additions were made to distribution facilities in a large number of municipalities. The Commission dealt with a number of requests from these municipalities seeking assent to the issue of debentures to cover the capital expenditures involved. Approval was also given to the provision of advance frequency standardization in a group of twelve municipalities.

Revenues of most municipal electrical utilities were sufficient to take care of the costs of operation in spite of rising costs. Only twenty-four municipalities requested approval of increases in retail rates.

Load Increase—Group 1 (a)

The following table indicates the increase in loads supplied to municipalities under cost contract:

Average of the Monthly Peak Loads Billed

	1951	1952	Increase	Increase
	kw	kw	kw	per cent
Cities.....	1,075,445.7	1,128,610.2	53,164.5	4.9
Voted Areas.....	147,395.0	175,616.6	28,221.6	19.1
Municipalities (population 2,000 or more)	233,032.3	250,618.0	17,585.7	*7.5
Municipalities (population under 2,000) ..	68,233.4	76,548.9	8,315.5	12.2
Total.....	1,524,106.4	1,631,393.7	107,287.3	7.0

*Two municipalities formerly in this group are now included in municipalities having a population under 2,000.

Of the 318 municipalities under cost contract, 299 or 94 per cent showed an increase in power requirements. Of the remaining 19 municipalities, 18 showed a decrease and one showed no change.

Through its nine regional offices the Commission made available to the municipalities information and advice upon many aspects of the operation of a local utility. These include engineering, financing of capital expenditures, and the revision of rate structures.

Brief particulars of some of the more important municipal activities in each region are given under "Reports from the Regions" at the end of Section III.

SUMMARY TABULATIONS AND GRAPHS

The accompanying tables relate to the municipalities served under cost or fixed-rate contracts, and to those served through Commission-owned local distribution systems. Information is given on consumption and cost for domestic and commercial light services for the years 1914 to 1952. The accompanying graphs show average consumption and cost for these municipalities both as a whole and in three groups according to population. For these

DOMESTIC SERVICE IN MUNICIPALITIES, GROUPS 1, 2, and 3
1914 to 1952

Year	Total annual revenue	Total energy consumed	Customers	Average cost per kwh	Customer's average monthly bill	Customer's average monthly con- sumption
	\$	kwh	No.	cents	\$	kwh
1913.....			49,200			
1914.....	730,168	14,359,100	64,866	5.08	1.06	21
1915.....	854,748	20,935,000	85,865	4.08	0.92	22
1916.....	992,628	29,359,900	108,364	3.42	0.82	24
1917.....	1,340,855	41,930,200	131,313	3.20	0.91	29
1918.....	1,583,677	52,731,700	146,885	3.00	0.92	31
1919.....	1,933,577	68,409,100	169,455	2.82	1.01	35
1920.....	2,514,658	98,211,000	193,892	2.56	1.15	45
1921.....	3,086,051	124,619,800	219,465	2.48	1.24	50
1922.....	3,761,172	166,182,000	245,577	2.26	1.34	59
1923.....	4,955,420	242,926,600	286,852	2.04	1.54	76
1924.....	5,548,835	292,608,400	303,787	1.89	1.56	80
1925.....	6,414,134	342,356,700	326,307	1.85	1.67	90
1926.....	7,353,394	404,722,959	349,882	1.81	1.79	98
1927.....	8,497,190	469,851,690	387,573	1.80	1.87	103
1928.....	9,411,812	551,010,035	408,071	1.71	1.97	115
1929.....	10,256,860	612,141,722	424,419	1.67	2.05	122
1930.....	10,752,720	671,028,310	433,260	1.61	2.09	130
1931.....	11,226,091	704,784,457	447,466	1.59	2.12	133
1932.....	11,676,222	740,900,418	452,615	1.57	2.15	136
1933.....	11,639,178	742,195,402	460,878	1.57	2.10	134
1934.....	12,078,069	797,532,709	463,913	1.51	2.17	143
1935.....	12,393,536	826,972,873	471,265	1.50	2.19	146
1936.....	12,922,466	881,972,324	482,557	1.47	2.23	152
1937.....	12,680,921	926,350,703	490,140	1.37	2.16	157
1938.....	12,880,180	1,003,489,453	507,132	1.28	2.12	165
1939.....	13,300,898	1,056,310,109	518,123	1.26	2.14	170
1940.....	13,905,290	1,115,888,837	531,514	1.25	2.18	175
1941.....	14,452,796	1,169,273,964	546,613	1.24	2.20	178
1942.....	15,022,931	1,224,195,712	559,605	1.23	2.24	182
1943.....	15,069,547	1,266,930,625	570,470	1.19	2.20	185
1944.....	15,528,445	1,348,099,019	579,890	1.15	2.23	194
1945.....	16,053,818	1,494,258,124	608,905	1.07	2.20	205
1946.....	17,526,854	1,704,125,246	628,118	1.03	2.32	226
1947.....	18,937,674	1,870,974,898	648,282	1.01	2.43	240
1948.....	20,295,932	2,032,922,876	671,914	0.99	2.51	252
1949.....	21,947,915	2,224,473,480	706,294	0.99	2.59	262
1950.....	29,064,176	2,805,149,825	767,286	1.04	3.15	304
1951.....	32,905,664	3,165,537,195	800,033	1.04	3.43	330
1952.....	36,811,115	3,526,507,079	836,802	1.04	3.67	351

graphs the large voted areas with a population of over 10,000 are included with the cities.

In 1952 the figures are given for 367 municipalities, including 329 in group 1 (See page 30). Statistics for five municipalities in group 2 are included in figures given for the cost-contract municipalities through which they are served. The remaining 33 municipalities are served through local systems.

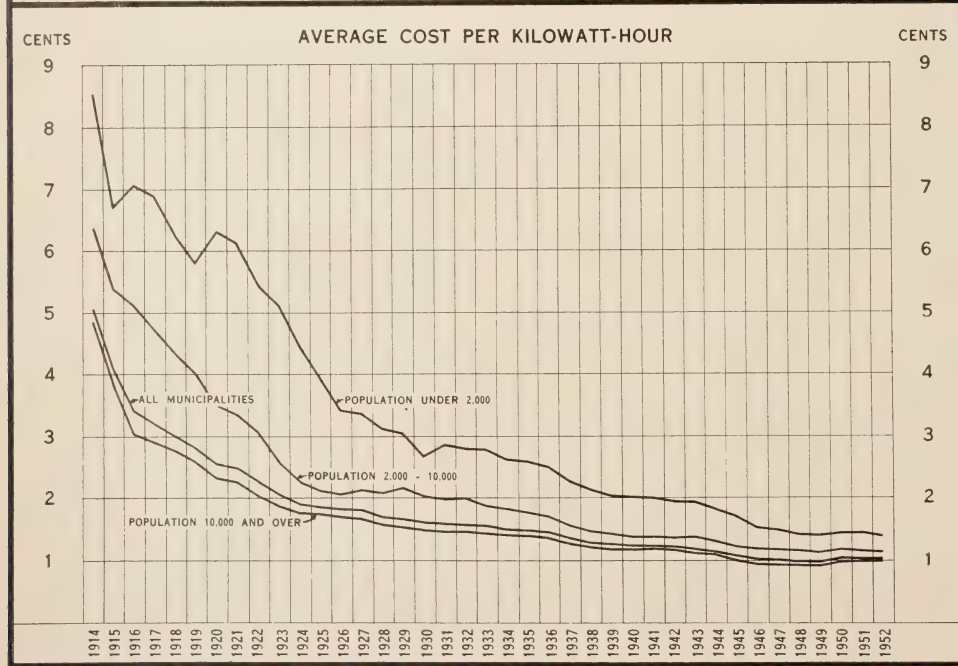
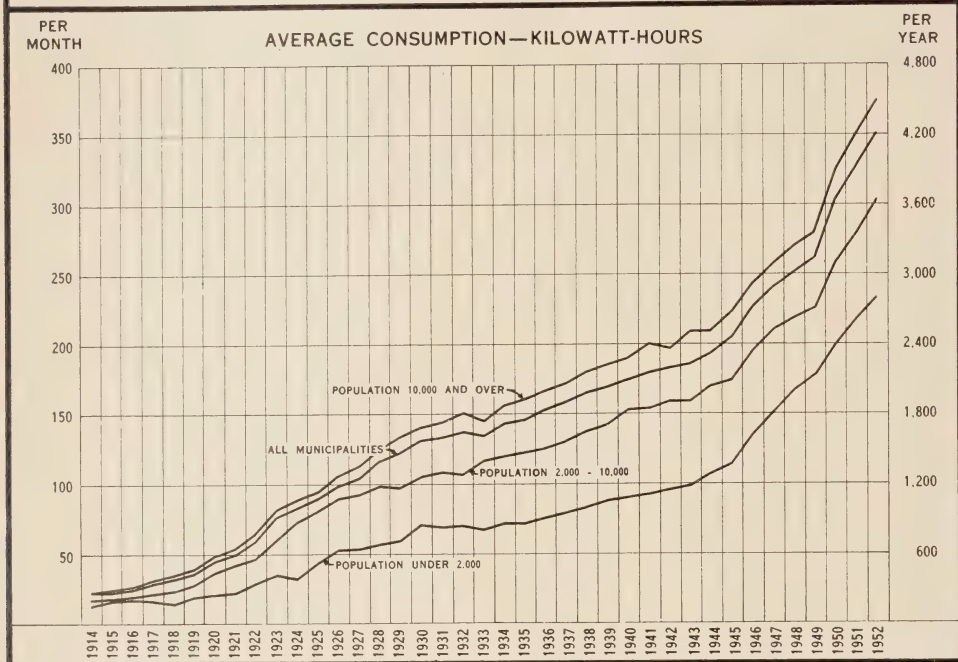
COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES, GROUPS 1, 2, and 3
1914 to 1952

Year	Total annual revenue	Total energy consumed	Customers	Average cost per kwh	Customer's average monthly bill	Customer's average monthly con- sumption
	\$	kwh	No.	cents	\$	kwh
1913.....			13,113			
1914.....	624,781	15,669,700	15,657	4.00	3.63	91
1915.....	649,585	21,444,900	19,324	3.03	2.95	97
1916.....	753,784	26,866,000	22,216	2.82	2.87	102
1917.....	860,475	31,983,500	27,453	2.69	2.77	103
1918.....	947,769	35,053,500	29,570	2.70	2.70	99
1919.....	1,158,406	47,087,000	33,307	2.46	3.03	123
1920.....	1,477,963	59,336,900	36,496	2.50	3.51	140
1921.....	1,818,211	68,863,500	39,333	2.64	3.98	151
1922.....	2,143,981	81,216,000	43,098	2.64	4.26	162
1923.....	2,613,257	105,482,600	46,383	2.46	4.80	196
1924.....	2,907,427	120,474,800	50,137	2.41	4.99	207
1925.....	3,836,946	151,555,200	56,018	2.54	5.98	235
1926.....	4,176,595	171,797,014	58,444	2.43	6.08	250
1927.....	4,823,781	200,606,137	64,039	2.40	6.39	267
1928.....	5,436,795	234,526,831	68,013	2.32	6.66	287
1929.....	5,893,217	272,343,330	70,106	2.16	7.11	329
1930.....	6,094,871	287,838,022	71,873	2.11	7.15	338
1931.....	6,377,520	305,121,640	75,286	2.09	7.20	344
1932.....	6,402,882	306,596,543	75,705	2.09	7.05	338
1933.....	6,149,792	292,335,489	75,443	2.10	6.79	323
1934.....	6,344,921	306,632,722	75,016	2.07	7.05	341
1935.....	6,601,461	327,413,421	74,884	2.02	7.35	364
1936.....	7,001,893	355,235,553	75,878	1.97	7.69	390
1937.....	6,676,968	393,067,119	76,620	1.70	7.26	428
1938.....	6,909,454	427,020,841	78,021	1.62	7.38	456
1939.....	7,256,262	459,635,100	78,949	1.58	7.66	485
1940.....	7,785,024	508,986,422	79,512	1.53	8.16	533
1941.....	7,991,091	540,995,581	79,824	1.48	8.34	565
1942.....	7,695,928	531,680,336	77,326	1.45	8.29	573
1943.....	6,787,241	472,129,977	76,194	1.44	7.42	516
1944.....	7,298,848	524,905,356	78,256	1.39	7.77	559
1945.....	8,429,573	634,878,480	84,413	1.33	8.32	627
1946.....	9,364,009	725,475,237	89,109	1.29	8.76	679
1947.....	10,277,574	797,642,711	91,926	1.29	9.32	723
1948.....	10,182,051	769,650,340	95,239	1.32	8.91	673
1949.....	10,890,639	819,475,244	98,682	1.33	9.20	692
1950.....	15,231,494	1,080,316,296	107,817	1.41	11.73	832
1951.....	17,549,402	1,254,339,597	111,154	1.40	13.16	940
1952.....	19,502,920	1,394,152,087	115,304	1.40	14.10	1,008

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

DOMESTIC SERVICE

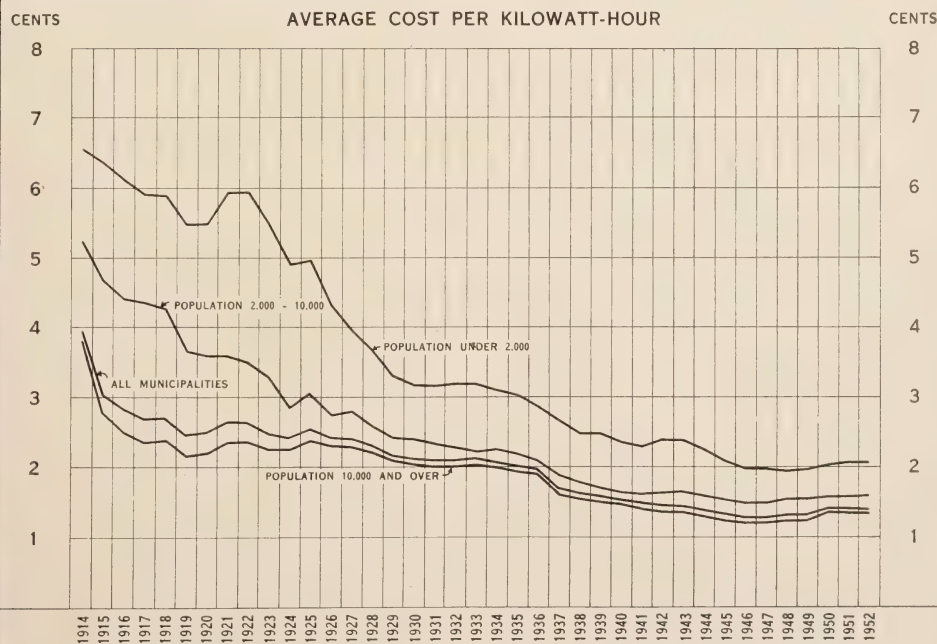
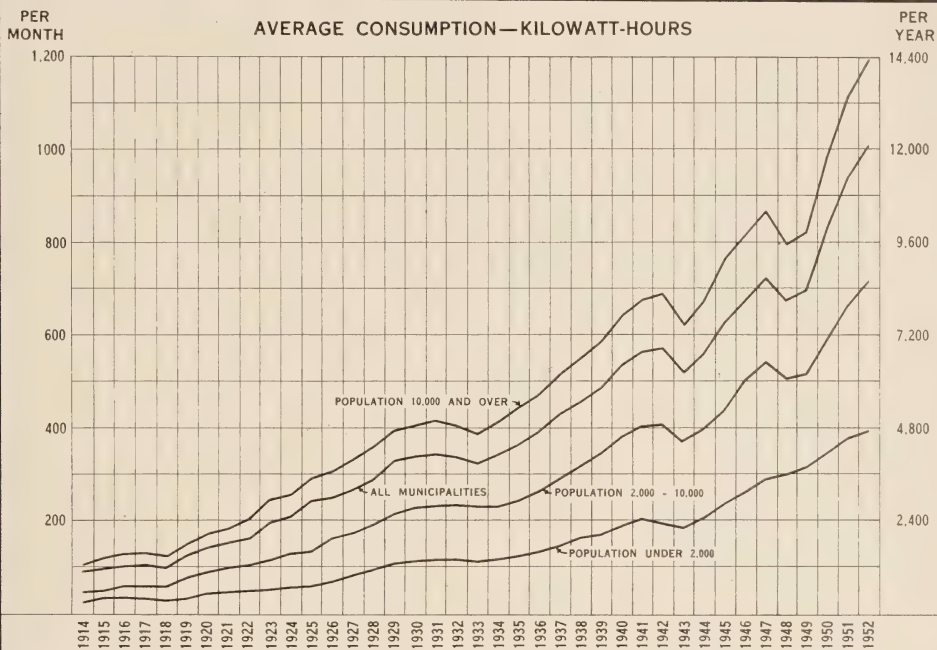
MUNICIPAL ELECTRICAL UTILITIES



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

COMMERCIAL LIGHT SERVICE

MUNICIPAL ELECTRICAL UTILITIES



FREQUENCY STANDARDIZATION

The geographic area of the “25-cycle island”, originally 12,000 square miles in extent, was reduced to less than 7,000 square miles by the end of 1952. However, the growth in population and industry in the Province, combined with the increased use of frequency-sensitive equipment, added substantially to the magnitude and complexity of the standardization operation.

The table below shows the progress of frequency standardization both prior to and during 1952 according to the three classes of customer—domestic, commercial, and power.

PROGRESS OF FREQUENCY STANDARDIZATION BY CLASSES OF CUSTOMERS

	Customers standardized			Frequency-sensitive items standardized		
	Prior to Jan. 1, 1952	During 1952	Total to Dec. 31, 1952	Prior to Jan. 1, 1952	During 1952	Total to Dec. 31, 1952
Domestic.....	145,288 *16,507 †497	61,795 *12,235 †6,293	242,615	562,416 *30,706 †1,516	282,239 *29,263 †23,560	929,700
	162,292	80,323		594,638	335,062	
Commercial.....	13,280 *1,037 †72	6,632 *55 †737	21,813	87,312 *1,262 †578	51,108 *1,152 †5,738	147,150
	14,389	7,424		89,152	57,998	
Power.....	1,885 *450 †8	1,078 *73 †366	3,860	100,175 *10,279 †1,125	48,797 *10,582 †27,338	198,356
	2,343	1,517		111,579	86,777	
Total.....	179,024	89,264	268,288	795,369	479,837	1,275,206

*Standardized through local dealers or contractors.
†Standardized through local dealers or contractors under the advance municipal program.

During 1952, 73,186 clocks, fans, and miscellaneous small devices were exchanged for customers at clock and fan depots established in standardization areas. Total exchanges of these appliances to December 31, 1952 numbered 176,103. These items of equipment were not included in the above table.

Experience in 1952 indicated that the total number of customers involved in standardization would be much greater than the number estimated in 1947. Moreover, it was evident that on the average the number of frequency-sensitive items per domestic customer would be nearly double that estimated in 1947. The resultant increase in the volume of work to be done, coupled with increased labour and material costs, will inevitably increase the over-all cost of standardization. However, the benefits to be derived will be increased correspondingly since the same factors govern both costs and benefits.

Every effort is being made to offset increases in the cost of carrying out the frequency standardization program, and methods and procedures are continually being revised with a view to achieving this result. Wherever it was economical to do so, 60-cycle power supply was provided in advance of the normal frequency standardization program in order to supply load growth at the higher frequency and thus avoid the cost of standardization at a later date. Substantial economies have resulted through the adoption of this procedure.

As a further measure of reducing costs manufacturers have been encouraged to make available equipment which will operate at either 25 or 60 cycles. The Commission has negotiated agreements with various manufacturers under which the Commission assumes the added cost of producing dual-frequency equipment, the manufacturer undertaking on his part to make the equipment available to the ultimate user at no added cost. To December 31, 1952 a total of 255,018 dual-frequency lighting ballasts and 92,748 pieces of other dual-frequency equipment had been manufactured and sold under such agreements. At least one manufacturer had completed development of field tests of dual-frequency refrigerator units, and an agreement was negotiated for the manufacture and sale of this equipment. Negotiations are continuing with other manufacturers of similar equipment, as refrigerator units are one of the most costly items in conversion. It is anticipated that appreciable savings in the domestic conversion will accrue from these agreements.



SALVAGING COPPER WIRE

Of 1,000 tons of wire baled and sold during the year, more than half was obtained through the frequency standardization program.

Further economies were effected by the reclamation of 25-cycle motors and other equipment. A total of 42,149 such motors were rewound for 60-cycle operation, 23,135 of them being rewound in the Commission's rewind shop. During the year, 40,728 single-phase watt-hour meters and meters of other types were converted for 60-cycle use. Some 13,000 tons of equipment were salvaged from customers' premises following conversion, of which approximately 6,000 tons were sold as scrap.

SERVICE TO DIRECT INDUSTRIAL CUSTOMERS

Industrial power customers are normally supplied by municipal electrical utilities or rural operating areas. If, however, a customer cannot be supplied conveniently and satisfactorily through these channels, or if he is located in unorganized territory, he may be supplied as a direct industrial customer of the Commission. In 1952 a total of 200 industrial customers were supplied

in this way. They include mines and paper companies in northern Ontario, and a number of large customers in basic industries in southern Ontario. Two of the Commission's direct industrial customers are export customers taking secondary power.

The following summary of direct industrial customers, grouped according to type of industry, shows for each group the average of the monthly primary peak demands and the kilowatt-hours of primary energy used in 1952:—

**PRIMARY POWER AND ENERGY SUPPLIED TO DIRECT INDUSTRIAL
CUSTOMERS, BY TYPES OF INDUSTRY**

Type of industry	Average of the monthly peak loads	Energy used
	kw	kwh
Pulp and Paper	183,520.7	1,320,441,423
Mining:		
(a) Gold	91,800.2	635,653,733
(b) Silver and Cobalt	3,847.9	19,620,982
(c) Base Metals	110,206.2	776,603,275
(d) Non-Metals	2,599.7	14,789,269
Quarry Cement and Basic Building Materials	20,034.3	125,771,574
Steel and Electro-Metallurgical	226,398.6	1,209,844,409
Abrasives	55,334.6	436,917,521
Chemical, Electro-Chemical, and Cyanamid	152,648.4	1,167,930,761
Grain Elevators and Milling	8,497.3	37,374,580
Transportation Services and Communications	445.9	2,573,700
Government Services and Institutions	15,340.3	76,719,513
General Manufacturing	55,783.3	278,564,325
Miscellaneous	61,166.4	445,977,394
Total	987,623.8	6,548,782,459

The pulp and paper plants used 4 per cent more energy in 1952 than in 1951. This increase was due to a small increase in production by customers and to the addition of a number of loads not previously supplied by the Commission.

The amount of energy used by the mining industry increased by approximately 8 per cent; the major part of this increase occurred in the production of nickel and iron ore. The energy supplied to the silver and cobalt mines, while small in total, was 60.3 per cent greater than in 1951. The energy used by the gold mines, however, was down 1.3 per cent as a result of economic conditions affecting the industry.

The steel and metallurgical industries increased their use of energy by 8.0 per cent over 1951. The abrasive industry, on the other hand, showed a decrease of 16.6 per cent.

The chemical industry again increased its use of energy in 1952 by some 5.6 per cent. General manufacturing industries increased their use of energy by 18.7 per cent, chiefly in aircraft and automobile plants.

INDUSTRIAL SURVEYS

As a service to municipal, rural, and direct industrial power customers, surveys for the purpose of improving power factor were conducted in 71 industrial plants in 1952. An educational program was undertaken with the staffs of

municipal electrical utilities with a view to improving industrial plant efficiencies and reducing distribution system losses.

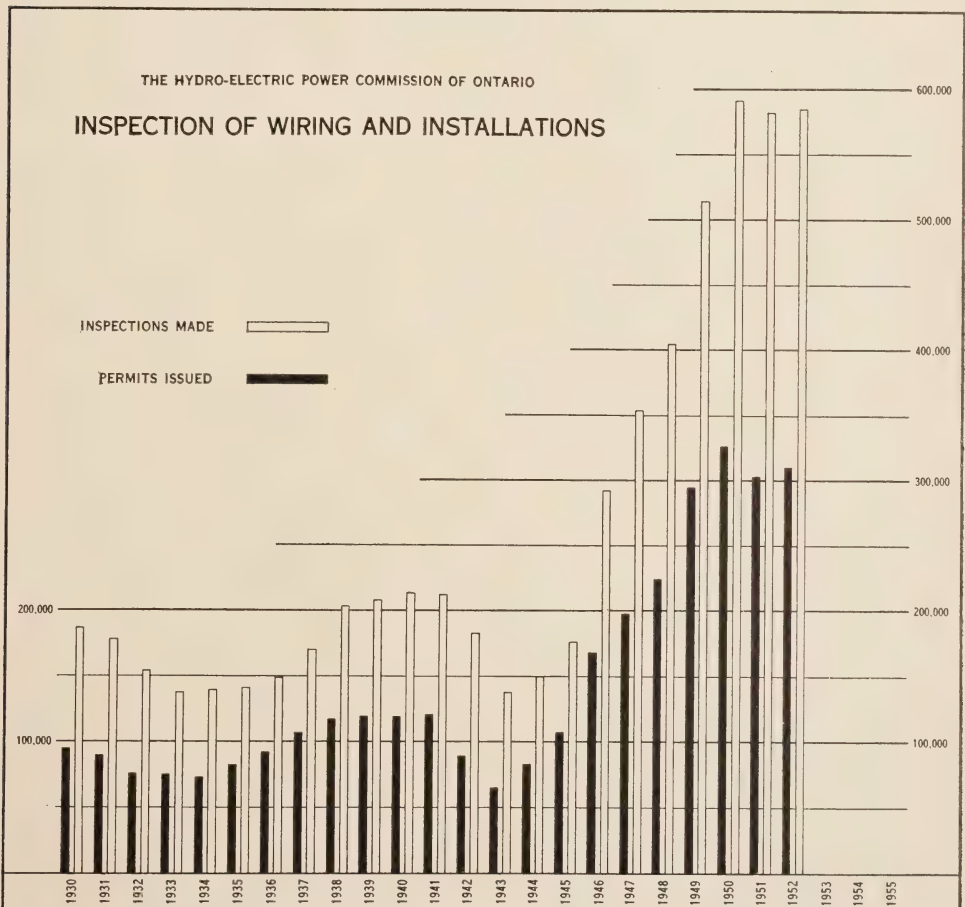
A study of power supply for spot-welding equipment was made as a basis for devising a more satisfactory method of billing this type of service.

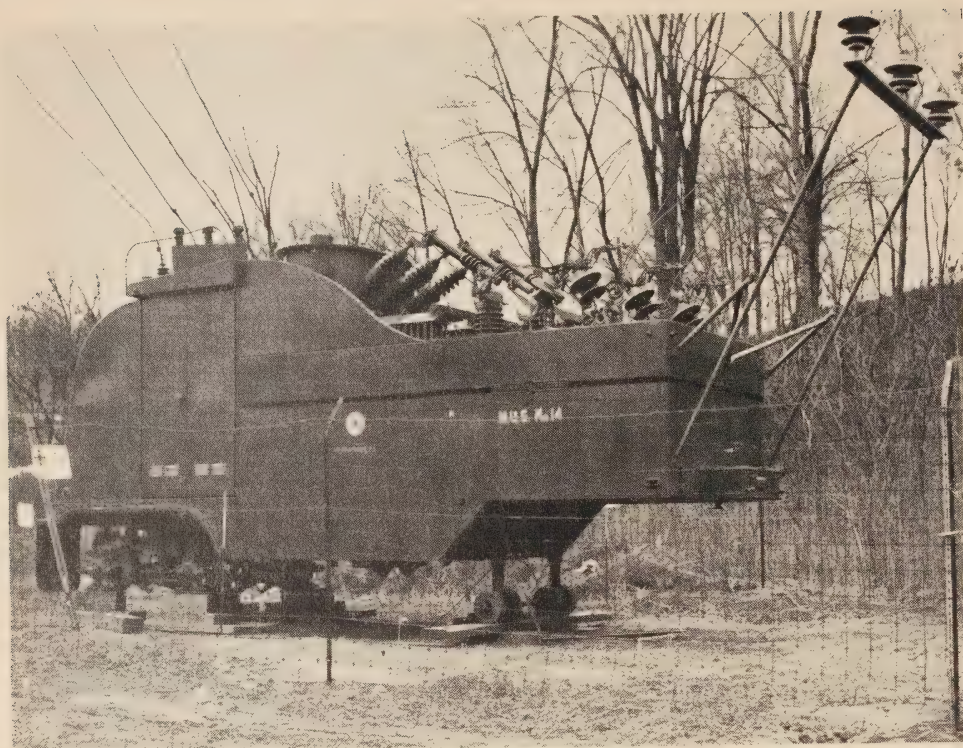
LIGHTING SERVICE

The Commission prepared 357 sets of lighting plans and specifications in 1952. Of this number, 226 were for the purpose of assisting the Ontario Department of Education to provide adequate illumination for schools throughout the Province. The remaining 131 related to lighting for offices, public buildings, industrial installations, sports areas, flood-lighting, and municipal street lighting.

ELECTRICAL INSPECTION

During 1952, the number of permits issued and inspections made showed a slight increase after the falling off registered last year. The total of permits issued was 2.1 per cent greater and the total of inspections was 0.3 per cent greater than in 1951. There were 1.4 per cent fewer special inspections on electrical equipment not approved by the Canadian Standards Association.





MOBILE UNIT SUBSTATION

Installed to provide a temporary supply of 60-cycle power during the frequency standardization operation

Accidents of electrical origin in Ontario claimed the lives of 13 persons according to reports received during the year. Sixteen fires were attributable directly to electrical causes.

In August the Commission published its revised Regulations of The Hydro-Electric Power Commission of Ontario in a convenient handbook edition. These regulations, made under The Power Commission Act, govern electrical installations and equipment.

REPORTS FROM THE REGIONS RELATING TO MUNICIPAL ACTIVITIES

WESTERN REGION

Beachville—A new main 4,000-volt, 60-cycle distribution line was constructed from the distributing station to the centre of the village and to the plant of an industrial customer.

Chatham—A new \$200,000 addition to the Chatham Public Utilities Commission building was officially opened on May 14, 1952. This addition, together with the old part of the building which has been remodelled, provides adequate up-to-date office accommodation.

Municipal Station No. 5 on St. George Street, a 3,000-kva, 60-cycle station, was constructed to serve the southeastern industrial area. When frequency standardization in Chatham is complete, the station will also serve the residential section.

Erieau—Extensive improvements were carried out on the distribution system in conjunction with the change of distribution voltage from 4,000 to 8,000 volts.

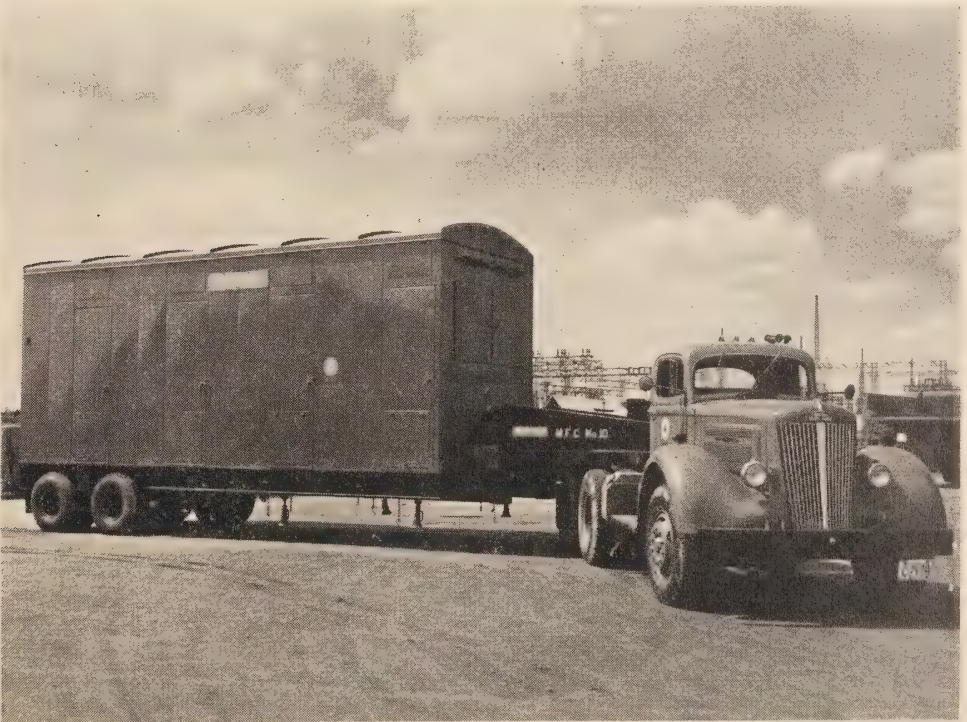
Erie Beach—The distribution voltage was changed from 4,000 to 8,000 volts.

London—A large section of the street-lighting system was improved by the use of 1,900 luminaires with brackets of modern design.

A new 14-kv underground cable was constructed from London-Nelson Transformer Station to Carling Street Municipal Station.

A 500-kva rectifier station was built to provide service for the London Division of the London and Port Stanley Electric Railway. This will replace 25-cycle rotary converter units.

Rodney—The distribution system was rehabilitated in conjunction with a change in distribution voltage from 4,000 to 8,000 volts.



MOBILE FREQUENCY-CHANGER

This unit has a capacity of 500 kva, 2,300-8,000 volts.

St. Thomas—An office building and service centre on St. Catharine Street was officially opened on June 23, 1952. This building provides adequate office, stores, and shop facilities.

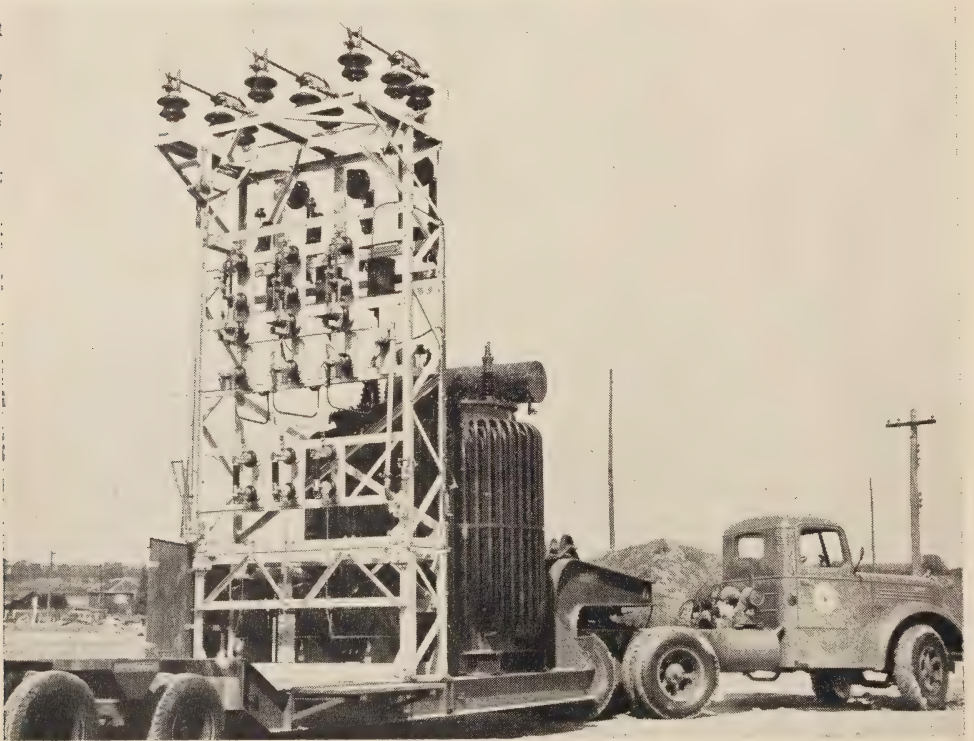
Sarnia—The construction and extension of distribution lines were undertaken to provide for the rapid growth of load and to incorporate into the city distribution system that portion of the former Sarnia Township annexed during 1951.

Thorndale—Extensive rebuilding of the distribution system accompanied a change in distribution voltage from 4,000 to 8,000 volts.

Wallaceburg—A program of frequency standardization of domestic and commercial customers was undertaken by the utility, and the equipment of some 1,200 customers was converted to 60-cycle operation.

Watford—A new office, warehouse, and garage building was constructed.

Windsor—Sixty per cent of the city of Windsor was converted from 25-cycle to 60-cycle supply. This operation required line construction by the utility at both distribution voltages and at transmission voltage. The Windsor Utilities Commission undertook its own meter conversion.



MOBILE UNIT SUBSTATION

Designed and constructed by the Commission particularly for use during frequency standardization

Woodstock—A modern storeroom and garage building was constructed on a lot purchased a number of years ago. This building was part of a project in which it is planned also to include an office building.

A portion of East Oxford Township, including an industrial section, was annexed during the year. The Public Utilities Commission erected a new 600-kva, 60-cycle station in this area, together with the necessary transmission line to handle the load.

WEST CENTRAL REGION

Acton—Property was acquired and a storeroom and garage building was constructed.

Ancaster Township—Electric facilities were extended in five new subdivisions, and sections of the existing distribution system were rehabilitated.

Brantford—A modern outdoor-type, 27.6-kv, 60-cycle switching structure was built as the eventual distribution centre for the 27.6-kv loop circuits in the city. Under the advance frequency standardization program, lines and stations were constructed to make 60-cycle supply available to 90 per cent of the power customers of Brantford.

Brantford Township—Forty-three modern luminaires were added to the street-lighting system. Extensive rehabilitation on primary distribution line was carried out.

Brussels—The primary distribution voltage was changed from 4,000 2,300 volts to 8,000/4,600 volts. In conjunction with this change, additions and improvements were made to the distribution system.

Burford—Street-lighting fixtures in the business section were modernized.

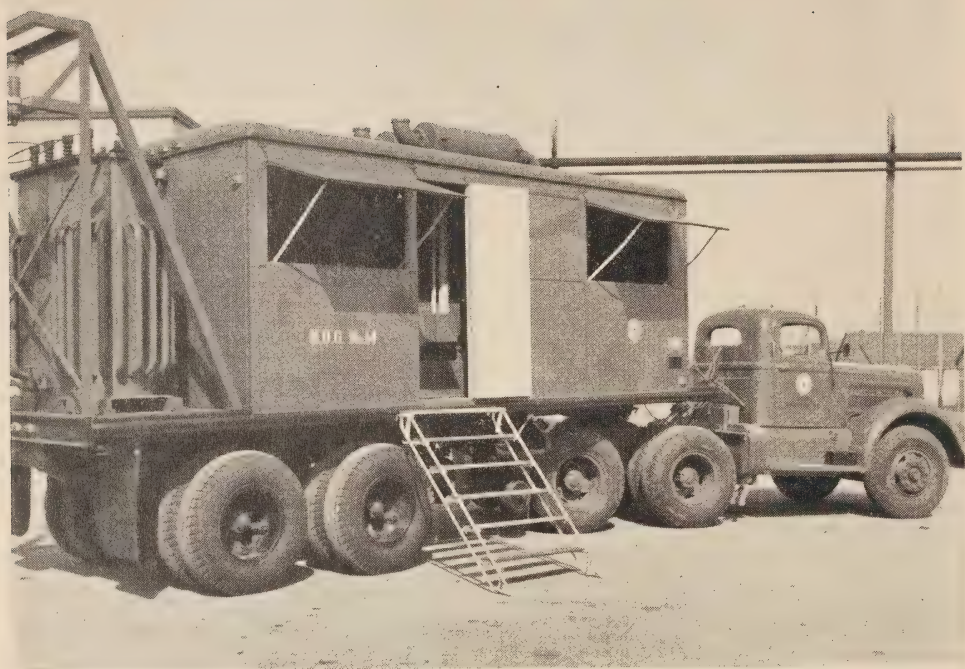
Burlington—To provide for increased loads, a temporary distributing station was placed in service by The Hydro-Electric Power Commission of Ontario pending the completion of a permanent distributing station in 1953.

Rehabilitation of a section of the existing distribution system was carried out in order to supply a new power customer.

Caledonia—The distribution system was extended to serve a new power customer.

Delhi—Twenty modern luminaires were added to the street-lighting system. Approximately 1,500 feet of 3-phase, 4,000-volt distribution primary line were installed in order to complete a primary loop.

Dundas—Advance frequency standardization was begun. A 600-kva, 60-cycle municipal station was installed to supply an ultimate total of 650 new homes being erected in two new subdivisions. By the annexation of a section of Ancaster Township, approximately twenty new customers were added to the system.



MOBILE DIESEL GENERATOR

This generator is rated at 250 kva, 8,000-2,300 volts and is used to supply temporary power as required during frequency standardization.

Elmira—One large and several small industrial customers were supplied with 60-cycle power as part of the advance frequency standardization program. A 2,000-kva, 13.2-4.0/2.3-kv temporary substation was installed.

Galt—The frequency standardization of power customers under the advance program was continued in 25 industrial plants. At the end of the year, the 60-cycle load resulting from this program was 3,750 kilowatts. The 27.6-kv, 60-cycle transmission system was extended to supply one temporary municipal substation and two customer-owned substations.

Guelph—Under the advance frequency standardization program, 60-cycle power was supplied to nine major industrial customers.

Hamilton—Construction was nearly completed for two new substations of 6,000-kva capacity, one on the Mountain and the other in east Hamilton. These will supply the loads in recently annexed areas.

A portion of Barton Township was annexed to the city on May 1, and a section of Ancaster Township on July 1. There were 1,306 customers in these areas.

Hespeler—Twenty-two modern luminaires were added to the street-lighting system.

Kitchener—One 3,000-kva, 13.2-4.0/2.3-kv, 60-cycle municipal station was constructed. Approximately two miles of 13.2-kv, 60-cycle transmission

line were built and one 3,000-kva, 13.2-4.0/2.3-kv substation was converted from 25-cycle to 60-cycle operation. Approximately 2,300 kilowatts of 25-cycle load were changed to 60-cycle supply under the advance frequency standardization program.

Paris—The 4,000-volt distribution line oil-switches in the municipal station were replaced with modern equipment. New bus work and cables were installed.

Preston—The two-year program of substation construction was concluded. A new main substation with a capacity of 5,200 kva at 60 cycles was completed. The same building will also include operating headquarters consisting of garage, meter-room, and accommodation for line stores.

Two other municipal substations were also built on the outskirts of the municipality.

St. George—Service was extended to a new power customer, and a section of the distribution system was rehabilitated.

St. Mary's—A 600-kva, 60-cycle, 13.2-4.0/2.3-kv municipal substation was placed in service. A short section of 13.2-kv, 60-cycle transmission line, including a river crossing, was constructed.

Simcoe—Rehabilitation and modernization of Municipal Station No. 1 was completed.



A. W. MANBY SERVICE CENTRE

The motor rewind shop where motors are rewound for 60-cycle operation

Stoney Creek—Electric facilities were extended into four new areas.

Stratford—Standardization of frequency at 60 cycles was completed in the early part of the year. Following this work, it became necessary to make a number of changes in primary distribution lines and also in the number and location of distribution transformers.

Tavistock—A program of rehabilitation of the distribution system was continued. Equipment was placed in readiness for the installation of a high-frequency control for flat-rate water-heaters.

Waterdown—The distribution system in the eastern section of the municipality was rehabilitated and extensions were made to supply new residences.

Waterloo—Five 60-cycle load centres were established, and the necessary lines were provided for distributing 60-cycle power under the advance frequency standardization program. The total 60-cycle load at December 31, 1952 was 700 kilowatts.

NIAGARA REGION

Chippawa—Increases in demand made it necessary to enlarge the capacity of the substation serving this municipality from 450 to 1,500 kva.

Port Colborne—The municipalities of Port Colborne and Humberstone were amalgamated in 1952 and became known as Port Colborne. The two electrical utilities involved were also amalgamated and now operate under the name of the Port Colborne Hydro-Electric Commission.

Stamford Township—A new 2,700-kva, 60-cycle substation was constructed on Sinnicks Avenue.

Thorold—A new customer-owned 60-cycle substation was placed in service.

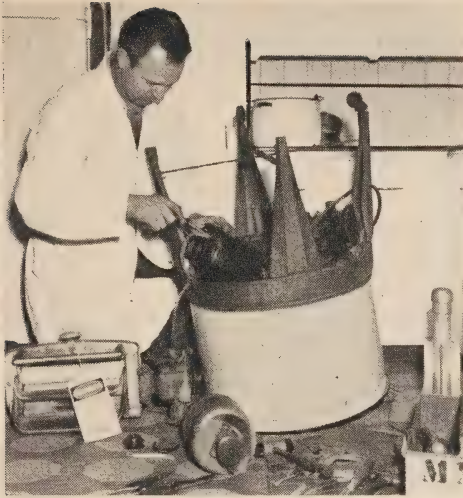
Welland—A temporary 60-cycle substation was installed to facilitate the advance frequency standardization program in the municipality.

TORONTO REGION

Bolton—The distribution voltage was changed from 4,000 to 8,000 volts during March 1952.

Bronte—The first Public Utilities Commission was elected to take office on January 1, 1953.

Etobicoke Township—Service was extended to one new 26.4-kv industrial customer; and three new municipal stations, Brown's Line, West Islington, and Allenby, were placed in service during the year. Approximately 2,950 new customers were added during the year.



FREQUENCY STANDARDIZATION OF ELECTRICAL APPLIANCES IN THE HOME

Left: A washing-machine

Right: A combination radio and record-player

Forest Hill—Work was carried out under the advance frequency standardization program to supply at 60 cycles certain new customers in this municipality.

Long Branch—Frequency standardization was completed early in 1952.

Markham—The capacity of the distributing station supplying the municipality was increased from 600 to 750 kva.

Mimico—The transformer at Municipal Station No. 1 was increased in capacity from 1,500 to 2,700 kva when it was rewound for 60-cycle operation. The installation of a new 2,500-kva transformer brought the capacity of this station to 5,200 kva.

Georgetown—Modern street lighting was installed on No. 7 Highway from the eastern boundary to a point about halfway through the town.

Milton—A fourth-wire water-heater control system was placed in service during the year, and the street-lighting system in the business section was modernized.

Newmarket—The capacity of the Commission's Distributing Station No. 1 was increased from 1,500 to 2,850 kva. A large industrial customer upon increasing his demand began taking power at 27.6 kv.

New Toronto—A new municipal substation of 3,000-kva capacity, located on Sixth Street, was placed in service during the year.

Frequency standardization in the municipality was completed.

North York Township—Two new industrial customers were supplied and two new municipal substations, Glen Park and Oriole, were placed in service during the year. The transformers at the Bayview and Dayton Municipal Stations were rewound for operation at 60 cycles and were increased in capacity from 1,875 kva to 3,300 kva and 3,350 kva respectively.

Frequency standardization was begun, and by the end of the year approximately half of the municipality was standardized. Nearly 3,800 new services were connected during the year.

Oakville—A temporary municipal substation was replaced by a new 3,000-kva distributing station to supply the north end of the town.

Port Credit—The distributing station supplying power to Port Credit was increased in capacity from 1,690 to 3,000 kva.

Frequency standardization was completed during the year.

Richmond Hill—As a result of the annexation of approximately 1,000 acres, approved by the Municipal Board in 1952, the municipality took over 270 customers formerly served by the rural operating area.

The distributing station supplying the municipality was increased in capacity from 1,500 to 2,850 kva.

Scarborough Township—An inspection office was opened in the municipal building of Scarborough Township to serve an area that had been subject to rapid industrial and residential expansion. Ten new industrial customers taking power at 27.6 kv were served during the year, and approximately 2,750 new customers were added.

The new Waterworks Municipal Station was placed in service.



WATT-HOUR METER TESTING

Over 40,000 single-phase watt-hour meters and meters of other types were converted for 60-cycle use during 1952.

Stouffville—The municipality voted in favour of forming a three-member Public Utilities Commission.

Streetsville—The capacity of a station belonging to an industrial customer taking power at 27.6 kv was increased from 225 to 750 kva.

Swansea—The transformer at Municipal Substation No. 1 was rewound for operation at 60 cycles and its capacity was increased from 1,875 to 3,375 kva.

Toronto—Work proceeded under the advance frequency standardization program to establish 13.2-kv, 60-cycle power at a number of substations. The low-voltage, 60-cycle network was expanded to take care of growth in load. Some street lighting was converted to 60-cycle operation.



TORONTO—Office building of The Toronto Hydro-Electric System

Initial steps were taken to develop a plan for system-wide distribution of 60-cycle power. The purpose was to make this power available to customers who move into 25-cycle areas after their equipment has been converted to 60-cycle operation.

The total load supplied by the system at 60 cycles increased from 20,760 kilowatts in 1951 to 50,600 kilowatts in 1952.

Toronto Township—Mineola Municipal Substation was placed in service and a new customer-owned substation was supplied at 27.6 kv. The utility added 1,171 new customers in 1952.

Trafalgar Township—The distribution system in the east half of Trafalgar Township was changed from 2,300-volt delta to 4,000/2,300-volt operation.

Weston—Advance frequency standardization of two large industrial plants proceeded, and work in another plant was completed.

GEORGIAN BAY REGION

Bradford—The capacity of the distributing station was increased from 600 to 2,000 kva. Modern street-lighting standards were installed on Holland Street.

Chesley—The distributing station was changed from 750- to 2,000-kva capacity.



The central garage at the A. W. Manby Service Centre in Islington



LAYING SUBMARINE CABLE TO THORAH ISLAND

Service to residents of this island in Lake Simcoe was provided by a 2-mile length of cable operated at 4,800 volts.

Gravenhurst—A temporary 2,000-kva distributing station was installed at Gravenhurst. This increased the station capacity from 1,200 to 3,200 kva.

Hanover—The distributing station was changed from 1,500- to 3,000-kva capacity and relocated nearer to the load centre. A fourth-wire control system was installed on the water-heater load.

Huntsville—The distribution voltage was changed from 2,300-volt delta to 4,160/2,300-volt operation. The capacity of the distributing station was increased from 1,500 to 3,000 kva.

Owen Sound—The capacity of the West Side Municipal Station was increased from 3,000 to 6,000 kva. In conjunction with this increase, additional oil circuit-breakers were installed for both transformers and distribution lines.

Sundridge—The municipality purchased the local distribution facilities from the South River Electric Company and power was supplied by the Commission under a cost contract on June 6, 1952. Included in the extensive rehabilitation carried out was the change of the distribution system from 2,300-volt operation to operation at 12.5/7.2 kv.

Thornbury—The distribution system was changed from 2,300-volt delta to 8,000/4,600-volt operation, and extensive rehabilitation work was carried out.

Uxbridge—The capacity of the distributing station was increased from 600 to 2,000 kva. Modern street-lighting standards were installed on the main street.

Wingham—A water-heater control system of the fourth-wire type was installed.

EAST CENTRAL REGION

Frankford—The major part of a rebuilding program was completed in preparation for changing the distribution system from 2,400 to 8,000/4,600-volt operation.

Kingston—The construction of a 3-phase distribution line to supply the annexed area at the west end of the city was undertaken. The conversion of substations and lines to a grounded distribution system was also begun.

Lindsay—A new 3,000-kva substation was constructed and placed in service to serve the growing loads in the municipality.

Oshawa—The construction of a new 44-kv line to serve a large industrial customer was undertaken.

Stirling—New primary distribution lines were erected to distribute the load from the municipal station placed in service last year.

Trenton—A new 44-kv line and a substation were constructed to supply the eastern section of the municipality. A new 6,600-volt line was also completed to serve the western part of the town.

EASTERN REGION

Alexandria—A new distributing station of 2,000-kva capacity was constructed to replace a 600-kva distributing station. Two new primary distribution lines were erected to supply increasing load in the municipality.

Alfred—On June 1, the Commission began to supply power to the village of Alfred through the local distribution system, which was part of the assets purchased from the Gatineau Electric Light Company on that date.

Almonte—The voltage on the sub-transmission circuit supplying the municipality was changed from 33 to 44 kv during the early part of the year. Minor changes in the municipal substation followed.

Cardinal—By the end of 1952 about 50 per cent of a rehabilitation program was complete. The program involves the rehabilitation by stages of the municipal distribution system.

Casselman—Under an agreement with the Commission, power was supplied to the village on December 23, 1952 to replace that formerly obtained from a privately-owned generating station. The distribution system was rehabilitated and changed from 2,400-volt to 8,000-volt operation.

Eganville—On April 10, the municipality took power for the first time under a cost contract with the Commission to supplement municipal generating facilities which had proved inadequate to meet increases in load.

Finch—Modern street-lighting luminaires were installed to replace radial wave units. Rehabilitation of the distribution system was also carried out.

Hawkesbury—The local distribution system in the town of Hawkesbury was purchased by the Commission on June 1, 1952 as part of the assets of the Gatineau Electric Light Company and power was first supplied to the municipality by the Commission on that date.

L'Orignal—On June 1, the Commission began to supply power to the village of L'Orignal through the local distribution system, which was part of the assets purchased from the Gatineau Electric Light Company on that date. In October L'Orignal voted in favour of power being supplied by the Commission under a cost contract.

Maxville—A new 600-kva distributing station was placed in service to supply the village.

Merrickville—A new power circuit was constructed to serve four of the larger manufacturing firms in the municipality.

Perth—Extensive rehabilitation of the distribution system was carried out in 1952. The main undertaking was the enlarging of the capacity of the primary distribution lines.

Renfrew—A temporary distributing station was installed to serve a new manufacturing plant. The distribution system and generating station were being changed from a 2-phase, 4-wire to a 3-phase grounded system. To facilitate this operation, another temporary distributing station was installed to supply 4,000-volt power to the municipality.

Richmond—A change to 3-phase supply and other changes in the distribution system were made in order to serve the new County High School.

Rockland—This municipality, a customer of the Gatineau Power Company, voted in December 1952 to obtain a supply of power from the Commission under a cost contract.

Smith's Falls—A temporary transformer bank was installed at Distributing Station No. 1 to facilitate the change in supply voltage from 26.4 to 44 kv.

Vankleek Hill—On June 1, the Commission began to supply power to the village of Vankleek Hill through the local distribution system, which was part of the assets purchased from the Gatineau Electric Light Company on that date. In August the municipality voted in favour of obtaining a supply of power from the Commission under a cost contract.

NORTHEASTERN REGION

Cochrane—The municipality became a customer of the Commission on December 21, 1952. Power was supplied at 115 kv to the municipal sub-station.

Hearst—The distribution system was rehabilitated and changed from 2,300-volt delta to 4,000/2,300-volt operation, including the necessary sub-station changes for a grounded system.

Kapuskasing—An agreement was signed with the Commission for a supply of power, and new retail rates were established.

Massey—On December 18, 1952, the Commission began to supply power to the municipality through the local distribution system purchased as part of the assets of Lloyd Deagle and Co. The system was rebuilt for 12.5/7.2-kv operation.

Sturgeon Falls—A new 2,000-kva substation was constructed together with three new distribution lines in the town. The distribution system was altered from 2,300-volt delta to 4,000/2,300-volt grounded operation.

Sudbury—The Commission's power supply to Municipal Stations No. 2 and 3 was changed from 22-kv to 44-kv operation. The capacity of substation No. 2 was increased from 8,000 to 10,000 kva.

Webbwood—The local distribution system was purchased by the Commission as part of the assets of Lloyd Deagle and Co. and was rebuilt for 12.5/7.2-kv operation. Power was supplied to the municipality by the Commission on December 11, 1952.

NORTHWESTERN REGION

Improvement District of Atikokan—The station serving this municipality was increased from 1,000 to 2,000 kva. The transmission lines to the municipality were also greatly extended.

Fort William—A second unit-type distributing station added at the Hardisty Street Station increased the capacity at this point from 4,000 to 8,000 kva.

Geraldton—The distribution voltage in this municipality was changed from 4,000/2,300 volts to 12,000/6,900 volts. The transformer bank serving the municipality and adjacent rural area was increased from 750 to 2,000 kva.

Port Arthur—Orders were placed for equipment for a 4,000-kva, unit-type substation to be located in the industrial area between Port Arthur and Fort William.

Improvement District of Red Rock—The distribution system was enlarged to supply power to a housing development required by the expansion of the St. Lawrence Corporation.

Schreiber Township—The distribution system was extended to include the Walker Lake subdivision. This extension made service available to all residents within the municipality.

SECTION IV

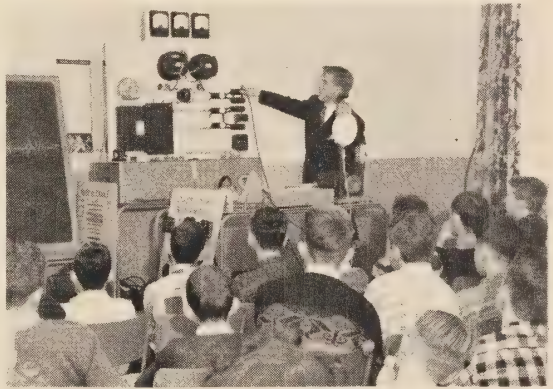
RURAL ELECTRICAL SERVICE

Extension of Service—Status of Rural Electrical Service— Load Growth—Capital Investment

THE extension of the benefits of electric power to rural Ontario continued to be an important feature of the Commission's activities throughout 1952. At the end of the year the Commission had 343,537 rural customers and 40,277 miles of primary distribution lines. During 1952 the net increase in the number of customers, after making allowance for transfers between rural operating areas and municipal electrical utilities, was 24,931 or 7.8 per cent. The net increase in the mileage of primary distribution lines was 2,079 miles or 5.4 per cent.

These increases were lower than those recorded in recent years. Nevertheless, the net increase in the number of customers in 1952 was greater than in any year prior to 1948, and in itself represents a notable achievement.

Three new rural operating areas were established in 1952, bringing the total to 106 areas. Vankleek Hill Rural Operating Area was added to the Eastern Region, Algoma Rural Operating Area to the North-eastern Region, and Geraldton Rural Operating Area to the Northwestern Region. The first of these became one of 92 areas served through the Southern Ontario System while the other two increased to 14 the number of areas associated with the Northern Ontario Properties. The total number of rural municipalities served through the Commission's rural operating areas increased by 58 to reach 877 at the end of 1952.



ADEQUATE AND SAFE WIRING
A demonstration by a Hydro farm service adviser

Status of Rural Electrical Service

Of the Commission's rural customers, 311,835 or about 91 per cent were served through distribution facilities of the Southern Ontario System. Of these, 120,743 or about 39 per cent were farm service customers, while the remainder were hamlet, commercial, summer, or industrial power service customers. The Southern Ontario System serves an area of about 48,000 square miles in which the great majority of Ontario's citizens, rural as well as urban, live and work.

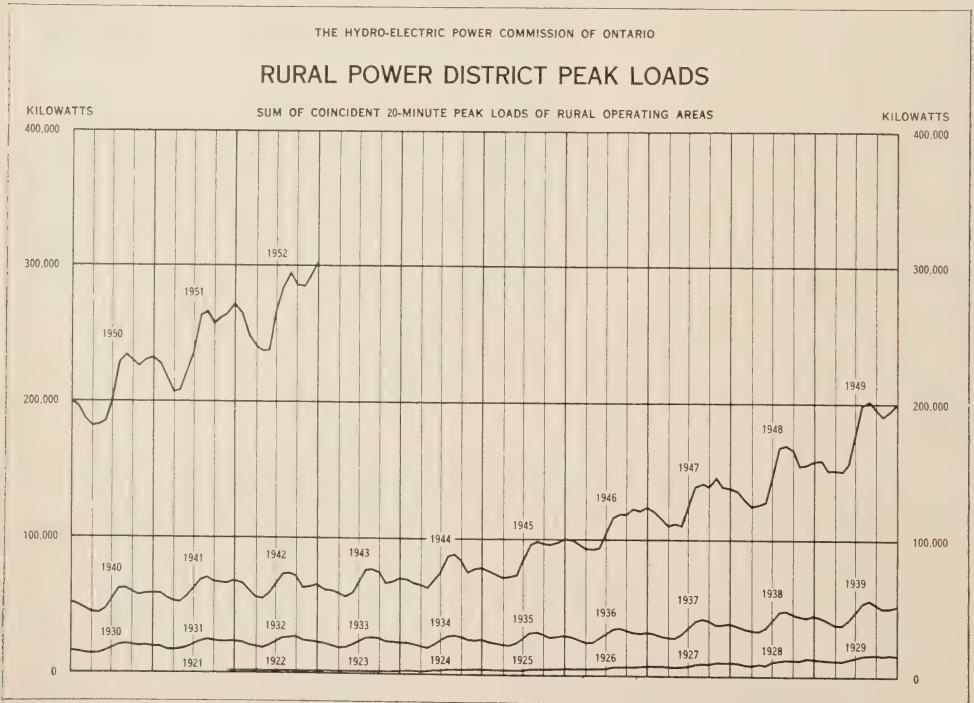
RURAL POWER DISTRICT

NET INCREASE IN MILEAGE OF PRIMARY LINES AND NUMBER OF CUSTOMERS DURING 1952

System and Region	Miles of primary line	Number of customers					
		Farm	Hamlet	Commer- cial	Summer	Power	Total
SOUTHERN ONTARIO							
Western.....	156.92	679	2,121	729	145	21	3,695
West Central.....	88.16	609	1,173	490	185	5	116
Niagara.....	38.75	126	1,486	225	76	6	1,919
Toronto.....	59.36	158	1,584	358	46	27	2,173
Georgian Bay.....	405.50	1,028	999	618	1,851	12	4,508
East Central.....	299.78	768	9	598	1,425	9	2,773
Eastern.....	268.48	1,255	1,457	742	538	21	4,013
Total.....	1,316.95	4,623	6,465	3,760	4,266	83	19,197
NORTHERN ONTARIO PROPERTIES							
Northeastern.....	523.07	1,010	2,028	495	568	18	4,119
Northwestern.....	239.48	384	609	199	412	11	1,615
Total.....	762.55	1,394	2,637	694	980	29	5,734
Total—All systems.....	2,079.50	6,017	9,102	4,454	5,246	112	24,931

Italic figures indicate net decrease.

The northern part of Ontario, on the other hand, is sparsely settled. Much of it forms part of the Laurentian Shield, a vast expanse of rock, small lakes, streams, and forests. Only about one-quarter of one per cent of its land area of 310,000 square miles is cleared farm land. In this part of the Province in 1952 the Commission served, through the Northern Ontario



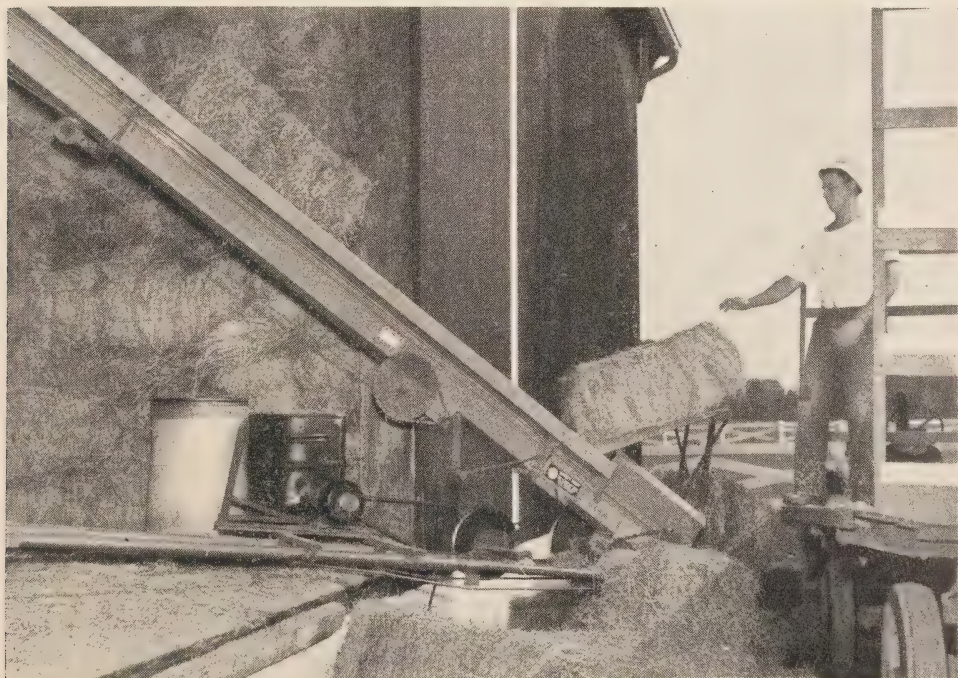
Properties, 31,702 rural customers of whom 8,708 or 27 per cent were farm service customers. By means of primary distribution line totalling 4,476 miles within the boundaries of the Commission's fourteen rural operating areas, a large proportion of the farms in northern Ontario was being served. Here, as in southern Ontario during the early years of rural electrification, the development of urban areas tended to accelerate the extension of rural service. During 1952 more than 36 per cent of the increase in the Commission's rural line mileage was in northern Ontario.

In 40 of Ontario's 54 counties and districts, 80 per cent or more of the farms were being supplied with electrical service at the end of 1952. In 21 of these, the proportion being served was 90 per cent or greater.

Load Growth

The Commission's 129,451 farm service customers used 468,478,642 kilowatt-hours in 1952, an increase of 57,756,321 kilowatt-hours over the total for 1951. While part of this increase resulted from the addition of new customers, a substantial part was attributable to an increase in consumption per customer.

Energy consumption by all rural customers, including power service customers, amounted to 1,108,302,775 kilowatt-hours. Reference to the table on page 58 will show that hamlet service, like farm service, showed substantial increases in both number of customers served and average consumption per customer. While there was a 22 per cent increase in the number of commercial service customers, average consumption declined 5 per cent. The total of summer service customers was also higher in 1952 than in 1951 but average energy consumption was little changed.



FARM EQUIPMENT

Portable elevator for storing baled hay

The table below also shows that the average cost per kilowatt-hour for farm, hamlet, and commercial services was slightly lower than in 1951. For farm service this average cost was 1.92 cents, for hamlet service 1.98 cents, and for commercial service 1.95 cents. By comparison with the corresponding average costs per kilowatt-hour in 1944, these 1952 costs were 9, 16, and 14 per cent lower. For summer service alone the average cost per kilowatt-hour has tended to increase and in 1952 it was 4.53 cents, or slightly higher than in 1951.

**RURAL SERVICE SINCE ADOPTION OF PROVINCE-WIDE UNIFORM RATES AND
NEW CLASSIFICATION, JANUARY 1, 1944**

Service	Year	Annual revenue	Energy consumption	Number of cus- tomers	Average cost per kwh	Average monthly bill	Average monthly consump- tion
		\$	kwh	No.	cents	\$	kwh
Farm service	1944	2,396,508.94	113,706,660	59,639	2.11	3.53	167
	1945	2,606,431.15	137,194,727	65,141	1.90	3.48	183
	1946	3,072,921.16	176,460,859	72,285	1.74	3.72	214
	1947	3,430,307.61	206,420,795	78,668	1.66	3.79	228
	1948	3,942,730.96	242,291,332	87,530	1.63	3.95	243
	1949	4,508,978.00	275,946,330	102,051	1.63	3.96	243
	1950	7,441,437.92	403,018,641	114,724	1.85	4.90	266
	1951	8,097,710.92	410,722,321	123,434	1.97	5.67	287
	1952	9,017,321.17	468,478,642	129,451	1.92	5.95	309
Hamlet service	1944	1,937,102.28	82,106,734	56,130	2.36	2.95	125
	1945	2,027,283.82	92,056,781	58,867	2.20	2.93	133
	1946	2,345,531.81	118,287,655	66,177	1.98	3.12	158
	1947	2,754,265.69	150,411,043	74,879	1.83	3.24	178
	1948	3,279,149.63	185,225,412	85,598	1.77	3.40	192
	1949	3,552,600.42	200,875,642	94,852	1.77	3.28	186
	1950	5,712,108.72	302,905,040	114,592	1.89	3.90	207
	1951	6,380,808.20	314,271,957	124,091	2.03	4.45	219
	1952	7,253,640.00	366,600,438	133,193	1.98	4.71	238
Commercial service . . .	1944	341,646.50	15,010,213	8,262	2.28	3.51	154
	1945	381,570.09	18,915,619	8,870	2.02	3.72	184
	1946	468,391.94	25,069,924	10,315	1.87	4.07	218
	1947	572,625.58	33,304,037	11,851	1.72	4.30	250
	1948	706,949.62	41,665,764	13,589	1.70	4.63	273
	1949	1,147,167.71	69,458,813	18,439	1.65	5.97	361
	1950	2,083,696.71	113,039,553	18,749	1.84	8.00	434
	1951	2,284,851.74	115,121,444	20,110	1.98	9.80	494
	1952	2,457,032.13	125,932,132	24,564	1.95	9.11	470
Summer service	1944	435,622.43	11,859,662	19,291	3.67	1.93	53
	1945	473,887.53	14,250,142	20,947	3.33	1.96	59
	1946	555,833.10	18,352,748	24,244	3.03	2.05	68
	1947	632,102.22	21,116,561	27,182	2.99	2.04	68
	1948	722,951.54	24,440,522	31,088	2.96	2.07	70
	1949	855,107.11	28,038,463	37,313	3.05	2.08	68
	1950	1,376,606.36	32,307,669	43,735	4.26	2.81	66
	1951	1,616,368.92	36,705,187	49,913	4.40	2.86	65
	1952	1,826,359.64	40,319,422	55,159	4.53	2.90	64

The above figures include customers billed and service rendered during a twelve-month period ending in the fiscal year. Since in 1950 the fiscal period was adjusted to end at December 31, the figures for 1950 cover 14 months.

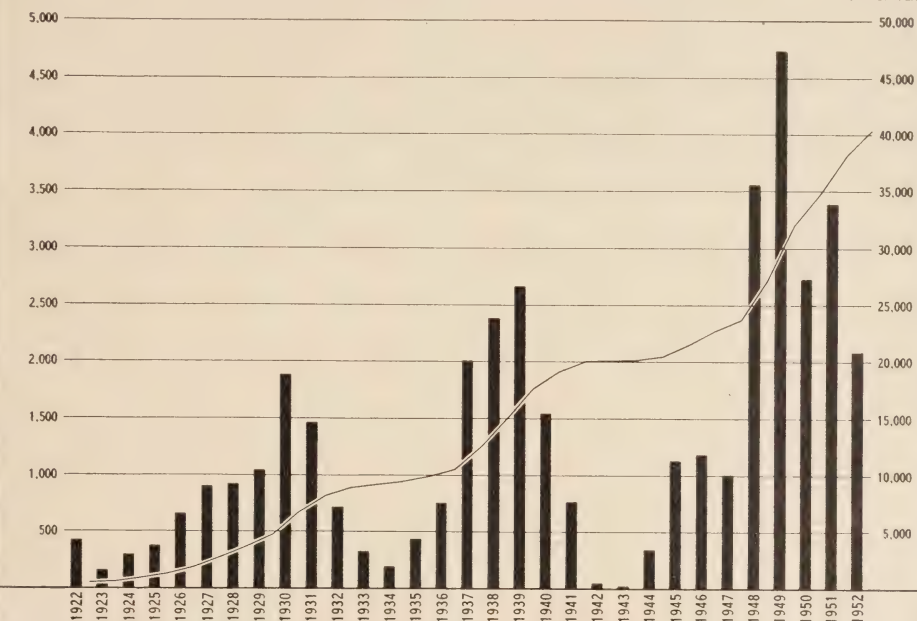
Industrial power customers and customers taking special services are not listed.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

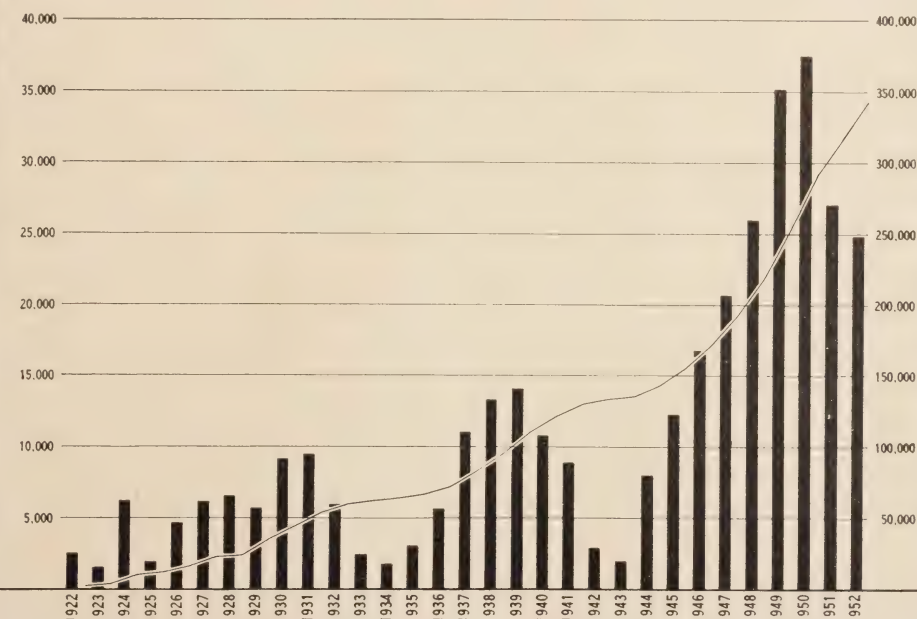
RURAL POWER DISTRICTS

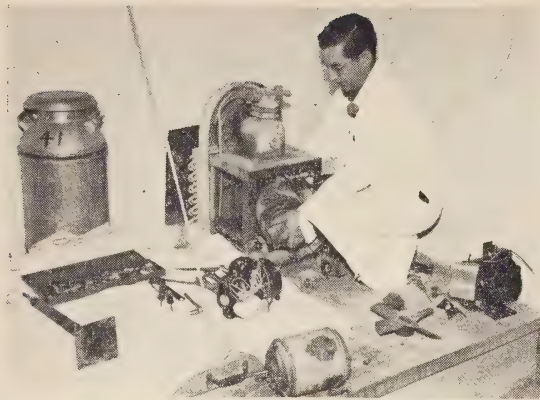
MILES BUILT
IN YEAR

MILES OF PRIMARY LINE CONSTRUCTED

TOTAL MILEAGE
IN USE AT
END OF YEARCUSTOMERS
ADDED
IN YEAR

NUMBER OF CUSTOMERS RECEIVING SERVICE

TOTAL CUSTOMERS
SERVED AT
END OF YEAR



FREQUENCY STANDARDIZATION ON THE FARM
The conversion of a milk-cooler to 60-cycle operation

Capital Investment

During 1952, the net increase in fixed assets representing rural distribution facilities amounted to \$18,241,932. The Provincial Government's grant-in-aid for the same period, made in accordance with The Rural Hydro-Electric Distribution Act, was \$8,825,973. The net increase during the year brought the total capital investment in rural distribution facilities to \$145,469,077, of which the Provincial Government's share was \$71,841,139.

RURAL POWER DISTRICT

GROSS INVESTMENT IN FIXED ASSETS AS AT DECEMBER 31

System and Region	1951	1952	Net increase
	\$	\$	\$
SOUTHERN ONTARIO			
Western.....	22,526,255	24,808,335	2,282,080
West Central.....	19,317,535	21,411,178	2,093,643
Niagara.....	5,284,954	5,942,658	657,704
Toronto.....	6,930,892	8,211,624	1,280,732
Georgian Bay.....	23,755,222	26,486,941	2,731,719
East Central.....	17,495,886	19,833,123	2,337,237
Eastern.....	15,914,230	18,329,012	2,414,782
Total.....	111,224,974	125,022,871	13,797,897
NORTHERN ONTARIO PROPERTIES			
Northeastern.....	10,995,757	13,885,747	2,889,990
Northwestern.....	5,006,414	6,560,459	1,554,045
Total.....	16,002,171	20,446,206	4,444,035
Total—All systems.....	127,227,145	145,469,077	18,241,932
Provincial assistance.....	63,015,166	71,841,139	8,825,973

Rates for Rural Hydro Service

Since January 1, 1944 all rural electrical services except industrial power service have been supplied at rates which, for any one classification within farm, hamlet, commercial, or summer service, are uniform throughout the Commission's systems. For example, all of the Commission's farm service customers in any one classification and using the same number of kilowatt-hours per month are billed for the same amount regardless of where they are located in Ontario.

**MILES OF LINE AND NUMBER OF CUSTOMERS IN RURAL OPERATING
AREAS AT DECEMBER 31, 1952**

System by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Commer- cial	Summer	Power	Total
SOUTHERN ONTARIO							
Western	7,218. 84	29,953	28,780	4,558	6,292	270	69,853
West Central	6,033. 55	23,790	19,626	3,384	2,819	232	49,851
Niagara	1,296. 00	6,086	12,352	1,276	1,906	126	21,746
Toronto	1,896. 77	6,646	14,117	1,659	4,155	144	26,721
Georgian Bay	8,118. 50	21,765	13,847	3,843	22,450	85	61,990
East Central	5,918. 86	16,204	15,673	3,543	9,766	85	45,271
Eastern	5,318. 67	16,299	12,324	3,442	4,214	124	36,403
Total	35,801. 19	120,743	116,719	21,705	51,602	1,066	311,835
NORTHERN ONTARIO PROPERTIES							
Northeastern	2,962. 77	5,679	13,355	2,125	2,561	80	23,800
Northwestern	1,513. 12	3,029	3,119	734	996	24	7,902
Total	4,475. 89	8,708	16,474	2,859	3,557	104	31,702
Total—All systems	40,277. 08	129,451	133,193	24,564	55,159	1,170	343,537



ELECTRICAL SERVICE IN A HAMLET

The transformer shown steps down power from 12,500 volts to 120/240 volts.
Street lighting is also provided in many hamlets.

Each of the main classes of Hydro rural service is briefly described in Appendix III, and the rates applicable to each are given. In connection with these rates, reference was made in the 1951 Report to the effect of the increased costs of power supplied to rural operating areas. In 1952 these increased costs made it necessary to plan for increases in rural rates to take effect in 1953.

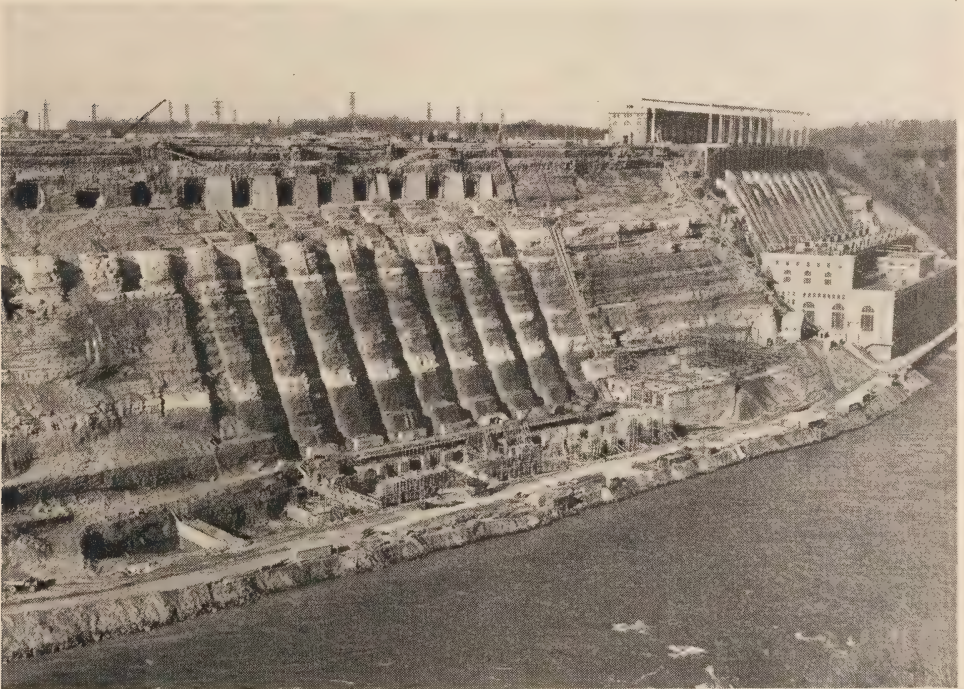
Appendix III also includes tables showing miles of line and number of customers in rural operating areas, a tabular summary of rural construction since 1921, and a statistical table supplementary to the table on page 58 and dealing with rural services in the years 1928 to 1943.

SECTION V

ENGINEERING AND CONSTRUCTION

DURING 1952 the emphasis in the Commission's engineering and construction program shifted from the Ottawa River to the Niagara River. The program on the Ottawa River upon which activity had been largely concentrated in previous years was virtually complete when the Otto Holden Generating Station was placed in service. A brief summary of the development of the Ottawa River resources appeared in the Forty-fourth Annual Report. A supplement in the form of a report on construction procedure and equipment at the Otto Holden Generating Station forms the conclusion of this section.

On the Niagara River, where work had been proceeding since late 1950 on Sir Adam Beck-Niagara Generating Station No. 2, the scope of engineering and construction activities was increased by a decision to build a twelve-unit project rather than one of seven units as previously programmed. This, the



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Powerhouse, general view, November 1952. The excavation for eight penstocks was virtually complete and the excavation for four more was well begun.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Earth excavation for No. 1 gathering tube proceeds "in the dry" behind the protection of the cofferdam at the right.

largest power project ever undertaken by the Commission, is arousing international interest comparable to that surrounding the construction of Sir Adam Beck-Niagara Generating Station No. 1 constructed in the same neighbourhood a generation ago.

In recent years the growth in power requirements has been large and continuous. New sources of power brought into service on the Ottawa River and elsewhere have enabled the Commission to all but overcome the insufficiency of capacity existing in 1945 and the increases in requirements which accumulated during the following years. Important among these new sources were the Commission's two large fuel-electric generating stations, the Richard L. Hearn at Toronto and the J. Clark Keith at Windsor, where construction was continued and capacity added during 1952.

Preliminary engineering studies in relation to the proposed development of power from the International Section of the St. Lawrence River proceeded. They were carried forward to the point where the Commission was prepared to proceed with construction as soon as an entity yet to be named is granted a licence by the Federal Power Commission to carry out the power project on the United States side of the river.

Preliminary surveys were made of other sites where hydro-electric generation development appears practicable. These included sites on the Albany, Missinaibi, Abitibi, and Mattagami Rivers. On the Abitibi River studies were made in sufficient detail to enable planning and estimating to proceed.

Much important engineering and construction activity was required in providing transmission and transformation facilities to incorporate new power sources into the systems and to provide for frequency standardization.

A brief survey of progress in the construction of generating, transformation, and transmission facilities within each system is given in this section of the Report. Supporting statistical data are to be found in Appendix IV.

PLANNING

The Commission established a Planning Division in 1952 to coordinate the system and program planning activities of the engineering departments. At the same time a department was established within the Division to prepare all estimates and to exercise close control of capital construction costs.

System Planning

The requirements of frequency standardization in the Niagara Division of the Southern Ontario System provided an opportunity for planning major changes in the system of power delivery. Continued load growth required changes in the system in any case, but the incorporation of Sir Adam Beck-Niagara Generating Station No. 2, together with the requirements of frequency standardization, was made the occasion for a major revision in transmission and transformation facilities. It is expected that this revision will result in a more evenly balanced loading on transmission lines and an improvement in service security.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Looking up river from excavation for No. 1 gathering tube. At the left the cofferdam.

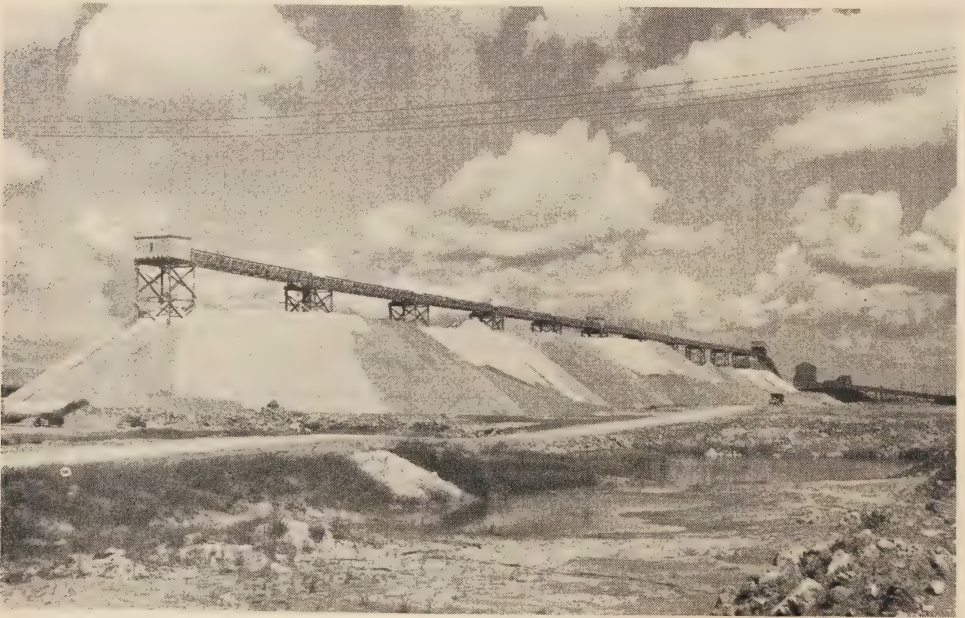
A pooled 230-kv transmission network has been planned in which, so far as possible, each transmission circuit will carry its proper share of the total power delivery, and operate at an optimum loading. Switching stations are to be located at points outside built-up areas. Short radial lines will connect the switching stations with the main 230/115-kv terminal stations which are situated as close as possible to load centres.

The 115-kv transformer stations will be supplied radially from these terminal stations over a pair of 115-kv circuits. In the Toronto area, for example, the A. W. Manby and Leaside Transformer Stations, each with a continuous capacity of 800,000 kva, will supply the Toronto area with twice its present 115-kv load over existing transmission circuits. Service security will also be improved since the scheme of supply to the load areas is planned so that the loss of any one circuit of the pair supplying the 115-kv transformer stations, or the loss of any one transformer will result in no interruption of service to the area supplied.

Program Planning and Control

Planning and control of the flow of work, which has continued at a very high level, have resulted in a relatively constant work load in engineering and construction. It has been possible to program work far enough into the future so that new projects could be advanced or retarded as required to avoid major fluctuations in the work load of the various departments affected.

The preparation and development of the Commission's capital construction budget is a responsibility of the department of program planning and control. The measures of control that the department has been able to exercise in this matter have resulted in closer estimates of the funds required for the Commission's program of capital construction.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Aggregate stockpile in the whirlpool area

For convenient reference, the tables that follow summarize the Commission's power development program since November 1, 1945 and expenditures on capital construction by fiscal years in the same period.

In the financial table no adjustment has been made for equipment relocated, reclassified, or retired, and therefore the expenditures shown are not equal to the increase in fixed assets in any year. Under "Generation", step-up transformation and high-voltage switching at the site are included; "Transformation" includes switching and frequency-changer stations; and "Other" includes communications, local systems, and administrative and service buildings and equipment. Approximately half of the rural expenditures shown is recoverable in the form of Provincial grants-in-aid.

Summary of Ontario Hydro's Power Development Program—1945-1956
As at December 31, 1952

System and Development	In service	Dependable peak capacity kilowatts
SOUTHERN ONTARIO SYSTEM		
DeCew Falls (extension)—Niagara Region.....	Sept. 1947	57,000
Stewartville—Madawaska River.....	Sept. 1948	63,000
Additional power purchase contract—Polymer Corporation	Nov. 1948	22,500
Emergency fuel-electric units.....	Jan. 1949—Apr. 1950	53,000
Des Joachims—Ottawa River.....	July 1950—Feb. 1951	380,000
Chenau—Ottawa River.....	Nov. 1950—Sept. 1951	120,000
Richard L. Hearn—Toronto.....	Oct. 1951—Dec. 1952—276,000 kw June 1953—100,000 kw	376,000*
J. Clark Keith—Windsor.....	Nov. 1951—Dec. 1952—132,000 kw Jan. 1952—Nov. 1953—132,000 kw	264,000†
Otto Holden—Ottawa River.....	Jan. 1952—Dec. 1952—178,000 kw Apr. 1953—26,000 kw	204,000
Sir Adam Beck-Niagara No. 2—Niagara River.....	1954—1956	900,000†
NORTHERN ONTARIO PROPERTIES		
NORTHEASTERN DIVISION		
George W. Rayner—Mississagi River.....	July 1950	47,000
NORTHWESTERN DIVISION		
Ear Falls (extension)—English River.....	June 1948	6,000
Aguasabon—Aguasabon River.....	Oct. 1948	40,000
Pine Portage—Nipigon River.....	July 1950—61,400 kw 1954—31,600 kw	93,000

* Installed capacity. After conversion of first and third units to 60-cycle operation, installed capacity will be 400,000 kilowatts.

† Installed capacity.

Expenditures on Capital Construction
By Fiscal Years 1946-1952

	Genera- tion	Transfor- mation	Trans- mission	Rural	Other	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1946.....	6,160	4,184	3,980	4,942	320	19,586
1947.....	20,725	9,587	7,892	6,672	961	45,837
1948.....	48,122	12,839	14,369	13,514	1,833	90,677
1949.....	79,472	19,172	22,061	23,827	5,584	150,116
*1950.....	86,637	28,025	30,346	19,521	6,951	171,480
1951.....	94,267	25,143	17,886	22,725	4,597	164,618
1952.....	96,682	22,954	15,628	23,033	4,534	162,831
Total 1946-52.....	432,065	121,904	112,162	114,234	24,780	805,145

* 14-month fiscal period.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Concrete mixing plant No. 1 in the whirlpool area

SOUTHERN ONTARIO SYSTEM

Progress on Power Developments

SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—NIAGARA RIVER

- Location* —Niagara River, 6 miles down stream from the cataract, near Queenston, and adjacent to Sir Adam Beck-Niagara Generating Station No. 1.
- Installed Capacity* —900,000 kilowatts in 12 units, 60 cycles.
- Rated Head* —292 feet.
- In-Service Schedule*—Four units in 1954, six units in 1955, and two units in 1956.
- Estimated Cost* —\$299,900,000, including generation, step-up transformation, and high-voltage switching at the site.

Early in 1952 it was decided to proceed with a project of twelve units instead of one of seven units as previously programmed.

The main features of the enlarged project are two intake structures; two hydraulic pressure tunnels, one 5.1 and the other 5.4 miles in length, and each 45 feet in finished diameter; a canal $2\frac{1}{4}$ miles in length; and a powerhouse. For the greater part of their length the tunnels are parallel to each other and about 250 feet apart. They pass below the city of Niagara Falls and reach to a maximum depth of 330 feet below the surface of the ground.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Section of Tunnel No. 1 with concrete invert laid



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Excavation at tunnel exit portal No. 1



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Trapezoidal section of the canal seen from above the exit portal of Tunnel No. 2



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Power shovel of 6-cubic-yard capacity in the canal. In the background the headworks structure of the station.

During the year work proceeded on, or in advance of schedule. At the powerhouse site most of the excavation was completed by the end of the year and 20 per cent of the concrete had been poured. The major portion of the excavation for the canal extending from the lower tunnel portals to the head-works was also completed. Good progress was made in the excavation at the intake area. By the end of the year more than half of the excavation of No. 1 tunnel was finished and work had commenced on the second tunnel.

RICHARD L. HEARN GENERATING STATION (STEAM)—TORONTO

- Location* —The eastern area of Toronto's waterfront.
- Installed Capacity* —Units No. 1 and 3 each 88,000 kilowatts at 25 cycles, Units No. 2 and 4 each 100,000 kilowatts at 60 cycles. Total installed capacity 400,000 kilowatts with all units operating at 60 cycles.
- In Service* —Unit No. 1, October 27, 1951; Unit No. 2, February 4, 1952; and Unit No. 3, November 12, 1952.
- In-Service Schedule*—Unit No. 4 in June 1953.
- Estimated Cost* —\$60,000,000, including generation, step-up transformation, and high-voltage switching at the site.

Good progress was made on the extension of the building for the accommodation of the third and fourth units. Erection of the steam generator, turbine generator, and auxiliary equipment for the fourth unit proceeded on schedule.

Landscaping of the site was begun and permanent road facilities were completed.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Power drills operating in the canal, preparing for the placing of explosive charges



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Headworks structure, November 1952. In the background the screen-house of Sir Adam Beck-Niagara Generating Station No. 1.

J. CLARK KEITH GENERATING STATION (STEAM)—WINDSOR

Location —Detroit River, on the southern limits of the city of Windsor.

Installed Capacity —Four units, 264,000 kilowatts, 60 cycles.

In Service —Unit No. 1, April 1, 1952; Unit No. 2, November 8, 1951.

In-Service Schedule—Unit No. 3 in April 1953, Unit No. 4 in November 1953.

Estimated Cost —\$48,930,000, including generation, step-up transformation, and high-voltage switching at the site.

During the year progress was made on the extension of the building for the accommodation of the third and fourth units. The erection of equipment for these units proceeded with the expectation of their being in service successively in the spring and fall of 1953.

Facilities for 115/230-kv step-up transformation were well advanced. The 115-kv terminal facilities for one of two interconnections with the Detroit Edison Company proceeded as planned.

Transformer Stations and Transmission Lines

Details of the main transformation and transmission facilities constructed or under construction in 1952 are given below. A table listing new transformer stations and other stations where capacity was increased is given in Appendix IV. Another table lists total mileage of transmission lines in 1951 and 1952.

Facilities to Distribute Power from Des Joachims and Otto Holden Generating Stations

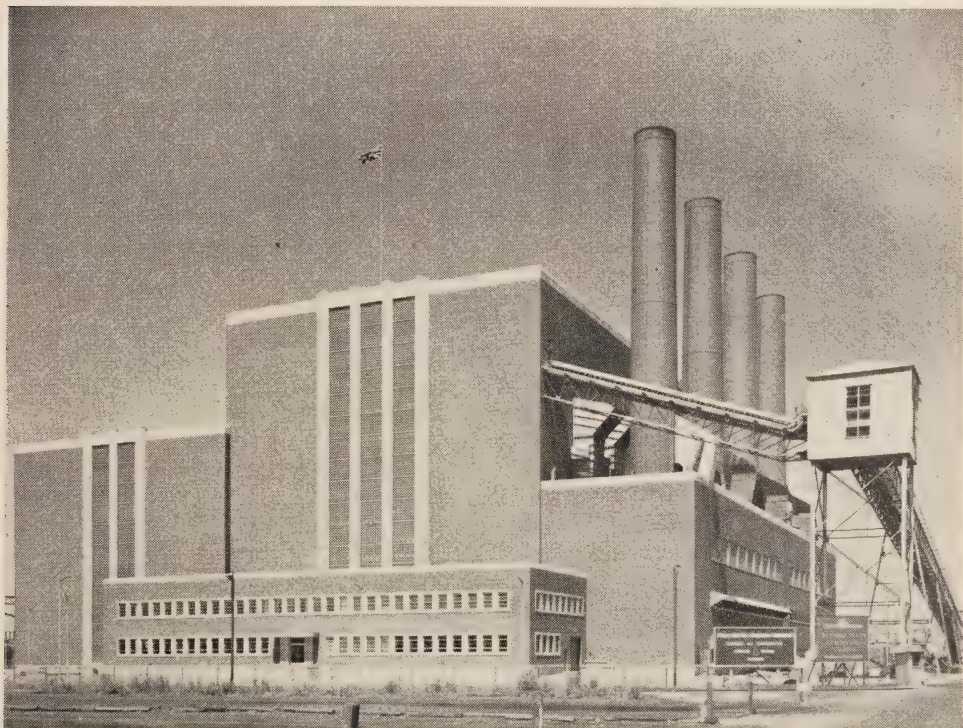
The line connecting Otto Holden Generating Station and Des Joachims Generating Station was changed from 115- to 230-kv operation when Otto Holden Generating Station was first placed in service in January.

The installation of 230-kv switching equipment was completed at Minden Switching Station and the station, initially in service in 1950, was placed in full service in March 1952.

At Essa Transformer Station, the second 70,000-kva, 230/115/13.2-kv autotransformer was placed in service in May. The second circuit from Essa to E. V. Buchanan Transformer Station, a small portion of which had been operated at 115 kv, was placed in service at 230 kv in May. At E. V. Buchanan Transformer Station, the third 120,000-kva, 230/115/13.2-kv autotransformer was placed in service in December.

At the Detweiler Transformer Station, located near Kitchener and formerly known as Petersburg Transformer Station, the total capacity of the two transformer banks with additional cooling installed will be 240,000 kva. It is expected that the station will be placed in service in the summer of 1953.

At A. W. Manby Transformer Station, work proceeded on the installation of the third 120,000-kva, 3-phase, 60-cycle, 230/115/13.2-kv autotransformer. It was decided to provide the third synchronous condenser by removing the 40,000-kva 25-cycle unit from Essex Condenser Station as soon as the progress



RICHARD L. HEARN GENERATING STATION—Provision has been made at this station for the installation of the third and fourth units.

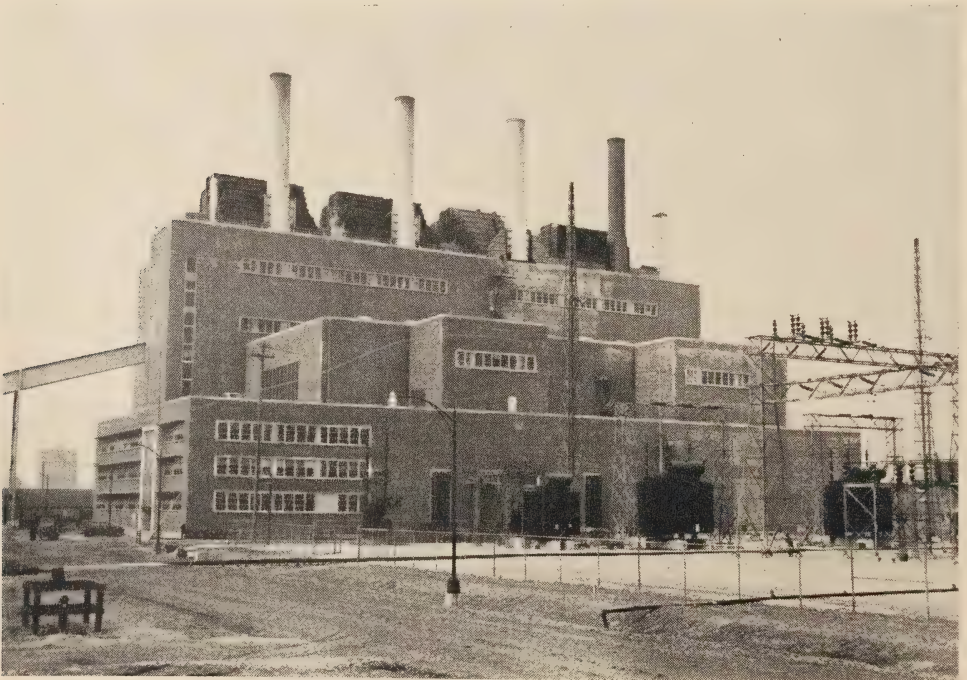
of frequency standardization permits, having it rewound for 60-cycle operation, and relocating it at A. W. Manby Transformer Station. Its capacity will be 48,000 kva.

Facilities to Supply 60-cycle Power in Advance of Frequency Standardization

The facilities provided in Western, West Central, Niagara, and Toronto Regions for the advance supply of 60-cycle power are listed in the table of transformer capacities in Appendix IV. This power was supplied to the Western and West Central Regions from Burlington and E. V. Buchanan Transformer Stations, to the Niagara Region from Allanburg and Burlington Transformer Stations, and to the Toronto Region principally through five 115-kv transformer stations supplied from A. W. Manby Transformer Station and Richard L. Hearn Generating Station.

Facilities to Distribute Power from Richard L. Hearn Generating Station

The incorporation of the increased output of the Richard L. Hearn Generating Station required the construction of additional transmission facilities in the Toronto area. Two circuits of 115-kv underground cable were installed between the Don-Fleet and Bloor Street Junctions via Toronto-Gerrard Transformer Station. The double-circuit steel-tower line from Toronto-Esplanade Transformer Station to Toronto-Leaside Transformer Station was replaced from Bloor Street Junction to Toronto-Leaside by a four-circuit steel-tower line. Three of these four circuits were placed in service during the year, one being used to supply Toronto-Thorncliffe Transformer Station with 60-cycle power.



J. CLARK KEITH GENERATING STATION—The building was extended for the installation of the third and fourth units.

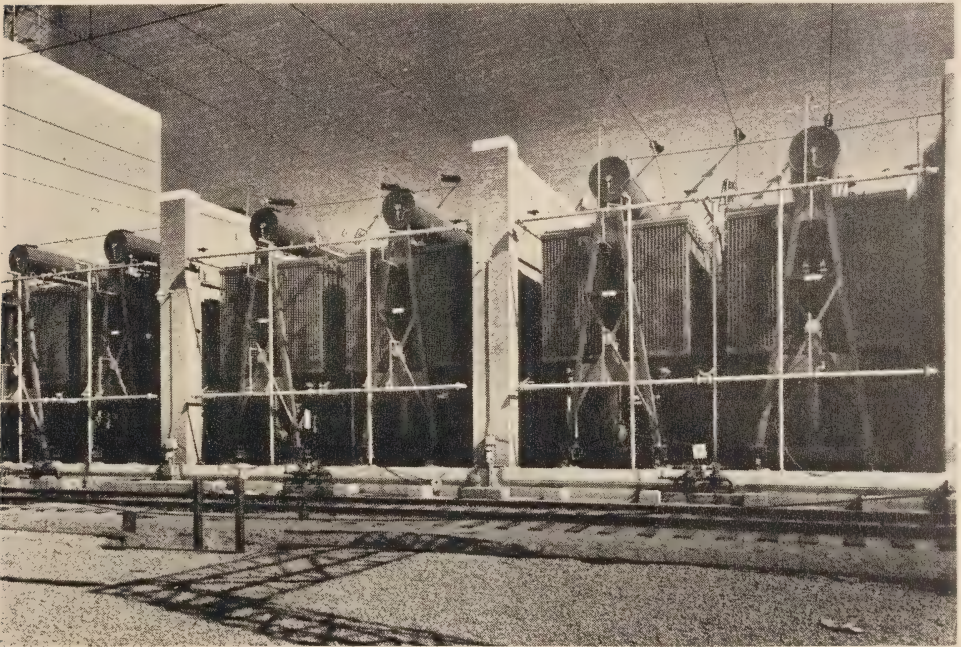
Facilities to Distribute Power from Sir Adam Beck-Niagara Generating Station No. 2

The program of construction of facilities which will eventually distribute power from Sir Adam Beck-Niagara Generating Station No. 2 was adapted so that certain of these facilities could provide 60-cycle power to the Niagara area in advance of frequency standardization. These facilities included one 120,000-kva, 230/115/13.2-kv autotransformer placed in service at Allanburg Transformer Station in August, and the 230-kv line switching at Burlington Transformer Station.

Sixty-cycle power from the 230-kv network was supplied to the Niagara Region for the first time in August. It was transmitted between Burlington and Allanburg Transformer Stations via Horning Mountain Junction. Initially, a circuit designed for 230-kv operation, but previously operated at 115 kv and 25 cycles, was used pending construction of a new double-circuit 230-kv line from Horning Mountain Junction to Allanburg Transformer Station. When the first circuit of the new line was placed in service in December, the corresponding section of the old circuit was released for return to operation at 115 kv and 25 cycles.

Transmission Line from E. V. Buchanan Transformer Station to J. Clark Keith Generating Station

One circuit of the double-circuit transmission line from E. V. Buchanan Transformer Station to J. Clark Keith Generating Station was placed in service and the other circuit was in service as far as Charing Cross Junction, at which point it was connected with Kent Transformer Station. Both circuits operated at 115 kv, 60 cycles.



RICHARD L. HEARN GENERATING STATION—Installation showing six transformers, each with a capacity of 100,000 kva when operating at 60 cycles

Voltage Change in the Eastern Region

The Commission completed a large part of an extensive program under which the 26.4-kv and 33-kv lines in the Madawaska and Rideau Districts will be rehabilitated for 44-kv operation.

NORTHERN ONTARIO PROPERTIES

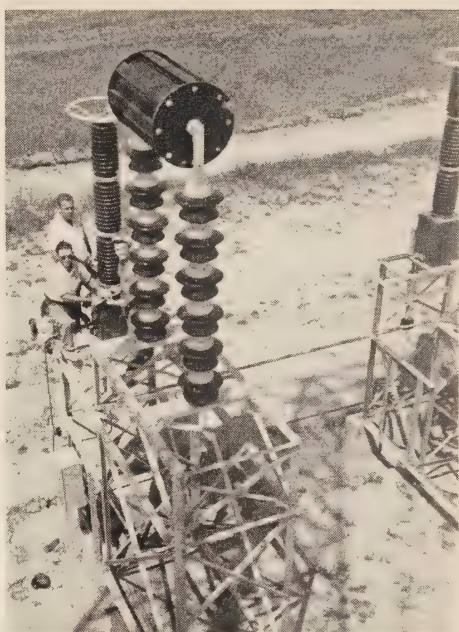
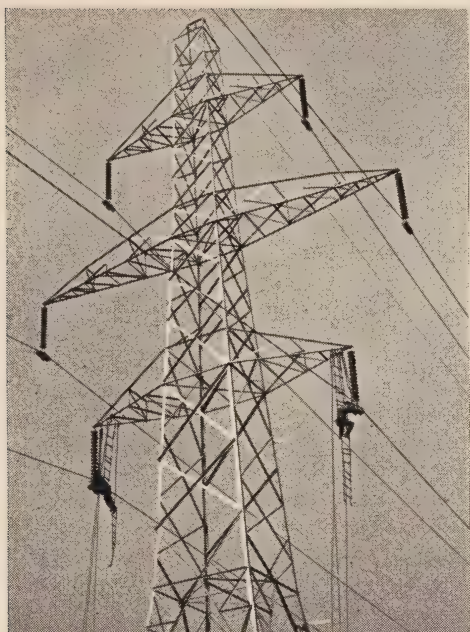
Plans were made to extend Pine Portage Generating Station by the addition of the third unit of the four for which the station was designed. Contracts were awarded for the turbine, penstock, generator, and transformers. At the same time provision was made for the embedded parts for the fourth unit.

Power Distribution in the Sudbury District

The changing of distribution voltage in the Sudbury district from 22 kv to 44 kv continued. At R. H. Martindale Transformer Station where two 8,000-kva, 3-phase, 115/22-kv transformers were in service, one was replaced by a temporary 15,000-kva, 3-phase, 115/44-kv transformer. A second 15,000-kva transformer was also installed. It is planned that the second 8,000-kva transformer will be removed and that both temporary 15,000-kva units will be eventually replaced by 25,000-kva transformers.

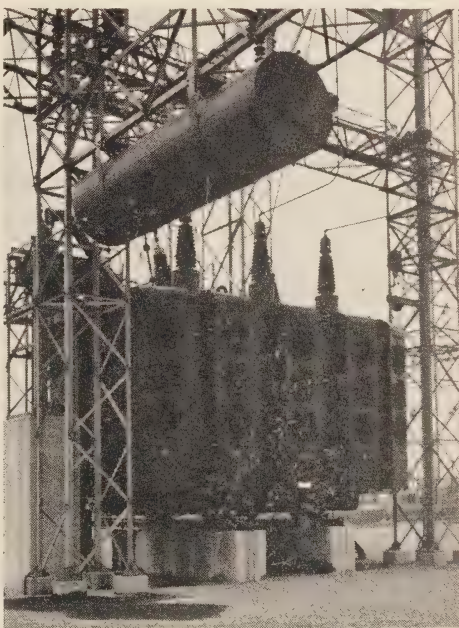
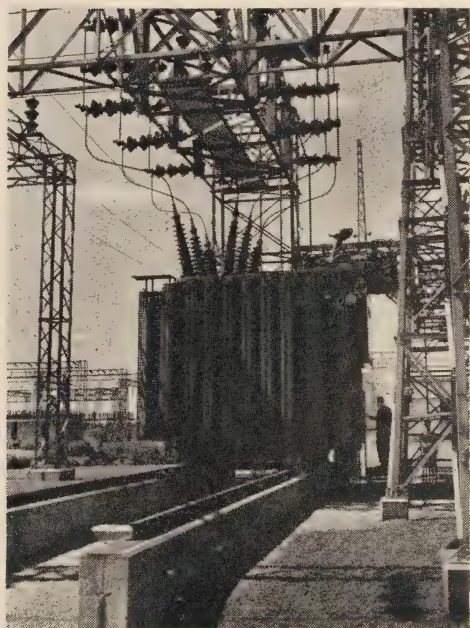


PINE PORTAGE GENERATING STATION—Plans have been made to extend the powerhouse towards the east for the installation of the third and fourth units. The concrete envelopes for the penstocks can be seen at the right of the headworks.



Left: Head of Blaw-Knox double-circuit tower

Right: Wave trap and coupling capacitor at Allانبurg Transformer Station for use on 230-kv line



TRANSFORMER INSTALLATION

Left: A voltage regulator having a circuit capacity of 75,000 kva, at Burlington Transformer Station

Right: A 120,000-kva transformer at Burlington Transformer Station, showing forced-air cooling

OTTO HOLDEN GENERATING STATION—OTTAWA RIVER

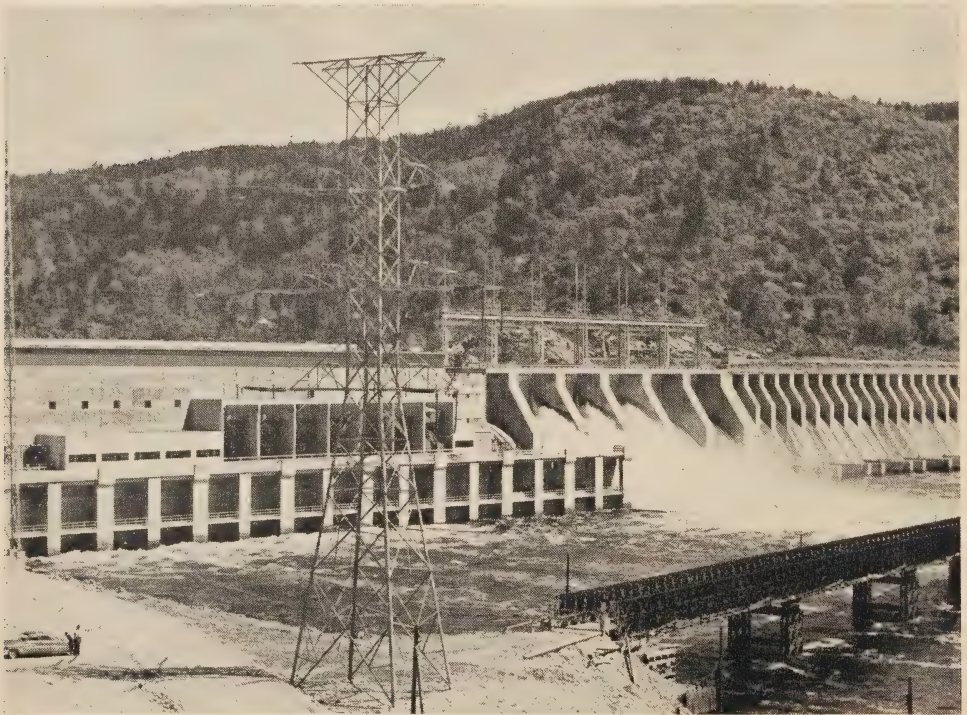
This station, named after the Commission's Assistant General Manager—Engineering, was officially opened on June 10, 1952. Four of the station's eight units had been placed in service successively on January 10, January 22, March 15, and April 22. Three units were subsequently added on July 4, September 16, and November 7. The eighth unit, expected to be in service early in 1953, will raise the capacity of the station to 204,000 kilowatts.

Site

The station is located on the Ottawa River approximately 5 miles up stream from Mattawa, Ontario and about 60 miles from the Commission's Des Joachims Generating Station. At this point the river flowed through a narrows with a natural fall of about 10 feet.

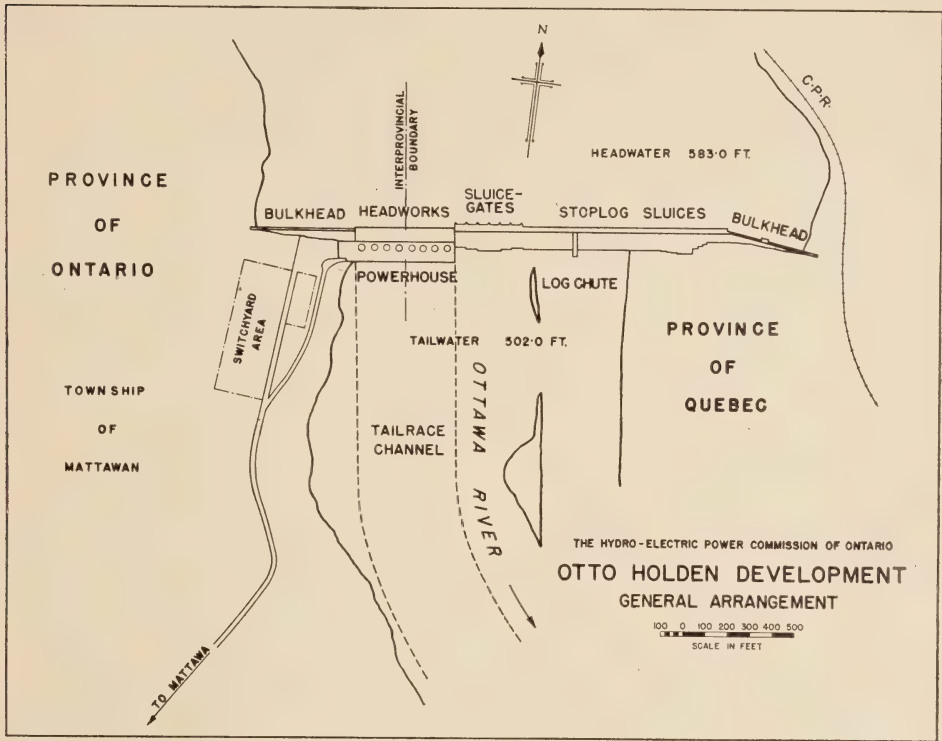
The estimated cost of the project is \$60,331,000. This includes generation, step-up transformation, and high-voltage switching at the site, but not the adjoining Mattawan Autotransformer Station and its switching.

As the accompanying plan shows, the powerhouse, located in the middle of the river channel, is flanked at its western end by an erection bay and a gravity dam and at its eastern end by the main sluiceways, the stoplog sluiceways, and a gravity dam to the Quebec shore. These structures have a combined length of 2,500 feet. The rated head is 77 feet.



OTTO HOLDEN GENERATING STATION—The powerhouse and six main sluices. At the right the stoplog-sluice structure.

The work of construction involved the clearing of 3,100 acres of land and the relocation of 36 miles of Canadian Pacific Railway main line. This was made necessary by the creation of the forebay lake, which is 30 miles long and has an area of about 8,000 acres.



Construction Procedure

Construction began in 1949. The first step was to provide a diversion channel 2,400 feet long by excavating through rock on the eastern shore of the river. Across this diversion channel a portion of the stoplog-sluice structure was built to provide seven sluices 38 feet in width. These are separated from one another by piers 28 feet wide and equal to the main dam in height.

When the normal river channel was eventually closed by the completion of cofferdams above and below the powerhouse site, the diversion channel carried the entire flow of the river. It continued to do so for a period of two years while construction of the main dam, powerhouse, and main sluiceway structures proceeded in the dry.

When the works to impound the waters in the forebay were sufficiently advanced, the seven diversion sluices were progressively closed. This step was achieved by using steel gates at the upstream and stoplogs at the downstream openings of the sluices. The concrete sills of the diversion sluices were poured in lifts averaging 15 feet in height. To complete the closure required twenty-six pours in all during a period of thirty weeks. In that time the forebay had risen to a level about 13 feet below full elevation. The remainder of the dam was then completed and the head was raised to full level.

Sluiceways

In the dam extending east from the powerhouse are the six main sluices with their sills 30 feet below headwater. They are controlled by steel gates of the fixed roller-type moved by screw-stem hoists operated from an overhead bridge.

Further to the east are forty-two stoplog sluices, each 16 feet wide and with sills 22 feet below normal headwater level. Stoplogs are handled by two motor-operated spud-winchs.

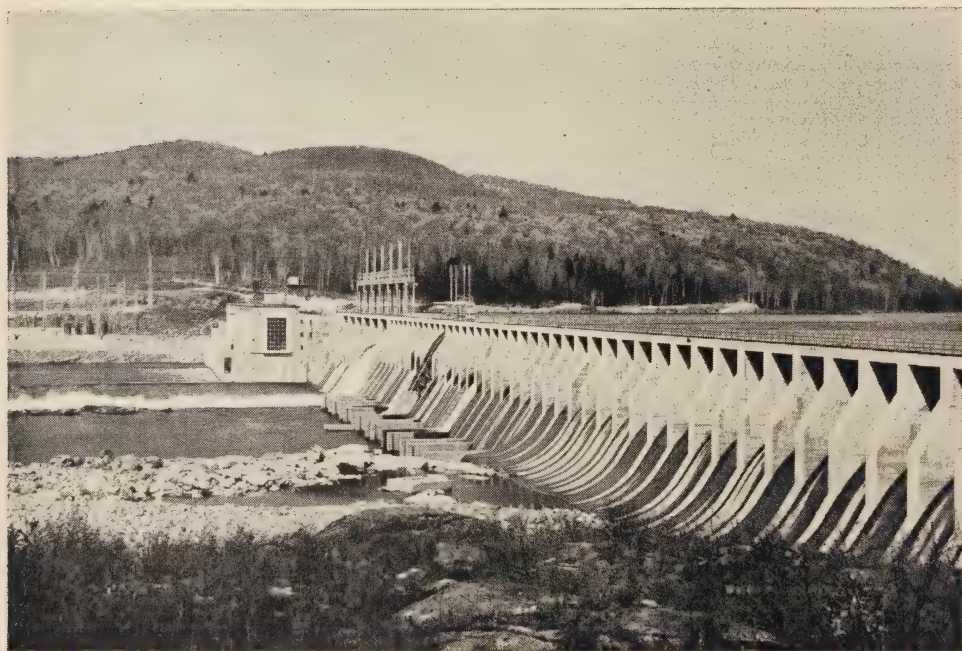
The main and stoplog sluices combined have a flood-discharge rate of 140,000 cubic feet per second.

Log-Chute

A log-chute head-block in the eastern gravity wall has a 20-foot sluiceway with a sill 10 feet below normal headwater level. A log-slide between this sluiceway and the river channel down stream will be constructed if required. In the meantime, logs are guided by timber-booms to a stoplog sluice, where a semi-permanent concrete and timber slide has been provided to convey them via the diversion channel to the river below.

Powerhouse

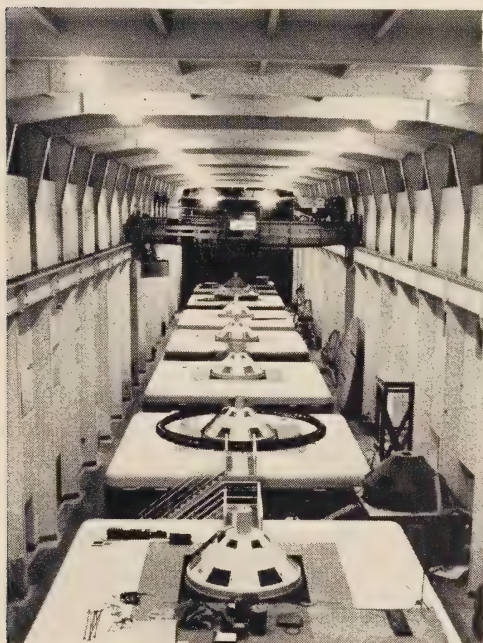
The powerhouse, an integral part of the main dam, is centred on the Provincial boundary. Through its sixteen intakes, water passes from the forebay into eight passages, 18 feet high and $19\frac{1}{2}$ feet wide, which lead to the concrete scroll-cases of the turbines. The intakes are protected against debris by trash-racks. Sixteen steel headgates serve to dewater the turbines. Sectional steel gates on the upstream face are used in emergencies to dewater the passages up stream from the headgates.



OTTO HOLDEN GENERATING STATION—View of the stoplog-sluice structure, looking west

The hoists for the headgates are in a headgate house extending the full length of the headworks. An electrically-operated gantry-crane on the headworks deck is equipped with 40-ton and 4-ton lifting hooks.

The concrete substructure contains the eight turbines with their associated reinforced-concrete scroll-cases and draft-tubes, the governing equipment, and the generator foundations. There are three service floors. The tailrace-decks are on two levels, one at approximately the floor-level of the generator-room, the other about 12 feet above ordinary tailrace-level.



OTTO HOLDEN GENERATING STATION

The generator-room showing seven of the eight units installed

On the upper tailrace-deck are located seven pockets for the six 36,000-kva transformers and a spare, and facilities are provided for moving them to the erection bay for maintenance. On the lower deck, a 10-ton hoist serves to place sectional steel emergency gates in the portals of the draft-tubes when these are being dewatered. Provision has been made for draining water from scroll-cases and draft-tubes and pumping it into the tailrace.

The generator-room, of structural steel and concrete, is 533 feet long, 57 feet wide, and 56 feet high. It is provided with two electrically-operated travelling cranes, each with a capacity of 107 tons.

The space between the generator-room and the headworks provides service floors on three levels and accommodation for fully air-conditioned offices and workshops. Two rooms on the downstream side of the generator-room and at main floor-level accommodate the low-

voltage switching. The roof of the building is supported by rigid frame trusses of structural steel. This is the first of the Commission's powerhouses to have this type of roof construction.

Generating Station Equipment

Eight vertical-shaft units, each comprising a Francis-type turbine directly connected to an umbrella-type generator, operate at a speed of 94.7 rpm. Four turbines, each with a capacity of 33,000 brake horsepower, were supplied by Canadian-Allis Chalmers Limited and four were supplied by John Inglis Company Limited. The governors, of the twin-cabinet actuator-type, are situated on the upstream side of the generator-room. They were manufactured by the Woodward Governor Company.

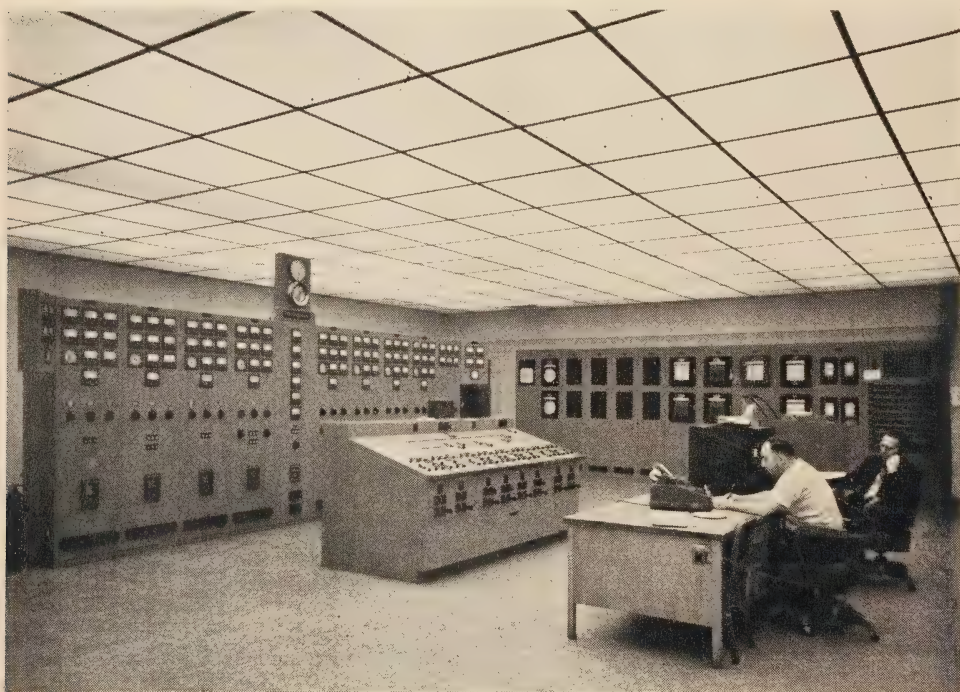
Each of the 3-phase, 60-cycle, 13.8-kv generators is totally enclosed and has a rated capacity of 27,000 kva at 0.95 power factor. Each is equipped with a voltage regulator of the Rototrol type, and with devices operated from the control-room for starting, stopping, and automatic synchronizing.

Power into the System

The 13.8-kv power from each generator is conducted through an air-blast circuit-breaker to a bus in a metal-clad structure where two generators are connected in parallel and fed to one of two main transformer banks where the power is stepped up to 230 kv. Each transformer bank consists of three 36,000-kva, single-phase, forced-oil transformers, which are water-cooled. The transformers are connected delta-star, with the high-voltage neutral solidly grounded. Each bank of transformers has two low-voltage circuits, each capable of receiving the output of two generators. Thus two main transformer banks serve all eight generating units.

The switchyard is on a terraced hillside southwest of the powerhouse. It contains four 230-kv, 800-ampere, pneumatically-operated, oil circuit-breakers with a rupturing capacity of 5,000,000 kva. Each breaker is equipped with its own air-compressor and storage tank. The 230-kv ring-bus is based on an arrangement of one breaker per element.

From this ring-bus a circuit on steel towers follows the west bank of the Ottawa River southward to the switchyard at Des Joachims Generating Station. The two circuit-breakers controlling this line are arranged for single-pole tripping and reclosure. The other two breakers control a bank of three 20,000-kva, single-phase, forced-oil, air-cooled autotransformers in the Mattawan Transformer Station. These transformers are connected star-star, with both high- and low-voltage neutrals solidly grounded, and step the power down to 115 kv.



OTTO HOLDEN GENERATING STATION—Control-room. An outstanding feature of the room is the plexiglass ceiling.

The 115-kv switchyard is immediately north of the 230-kv switchyard and contains one 138-kv, 800-ampere, oil circuit-breaker arranged for automatic three-pole tripping and reclosure and with a rupturing capacity of 1,500,000 kva.

From the 115-kv bus a single circuit on wood poles connects the switchyard with North Bay Transformer Station. The switchyard at Otto Holden Generating Station, therefore, provides a link between the Northeastern Region of the Northern Ontario Properties and the Southern Ontario System.

Over the 230-kv circuit, carrier communication and relaying are provided; on the 115-kv circuit, impedance relaying is used. Both switchyards are served by a common relay building and common oil-handling facilities.

Operators' Colony

In the town of Mattawa, about 5 miles from the generating station, twenty-three houses with garages were built to house the operating staff. The colony is connected with the generating station by 3 miles of highway and 2 miles of access road, both built by the Provincial Department of Highways during construction of the generating station, with the Commission paying for the access road and half the cost of the highway.

SECTION VI

RESEARCH AND TESTING ACTIVITIES

The engineering, construction, operation, and maintenance activities of the Commission require continuous and extensive research in a wide variety of fields. During 1952 some forty research panels of engineers and technicians studied electrical, chemical, mechanical, and structural problems and made satisfactory progress. It is not possible in this Report to give all the details of this progress but some of the more outstanding achievements are recorded under the headings, "Operation and Maintenance Investigations", "Structural Materials Testing and Construction Problems", and "Miscellaneous Work".

OPERATION AND MAINTENANCE INVESTIGATIONS

Development of New Equipment

The principle of the linascope used in locating faults in open-wire transmission and communication circuits was applied in the development of a cable linascope. This instrument made it possible to locate high-resistance faults in underground cables quite short in length in comparison with overhead lines. The electronic circuit in the cable linascope permits the measurement of time intervals of a fraction of a microsecond. This high degree of accuracy enables the operator normally to locate faults within a ten-foot margin of error.

As an aid in bolometer surveys of transmission-line joints, a very simple and economical method was devised for the rapid preliminary checking of heated joints by the use of a small inexpensive telescope. The telescope is focussed, in line with the suspected joint, on a more distant object such as an overhead ground wire or tower. If heated air from the joint drifts across the line of sight, the more distant object appears to "shimmer".

A portable telemeter was designed and installed for the automatic radio transmission of water-levels of a remote northern lake once each day to the nearest Commission station. The storage battery which supplies power to the apparatus is good for at least six months' operation without recharging, and is virtually unaffected by low temperatures. Changes in the lake level affect water pressures at a gauge located at the bottom of the lake. The effect of these pressure changes is transmitted through an oil line to the shore station and indicated by means of a novel type of slide wire. A clock-operated radio transmitter translates the information into a series of long audio tones representing feet and short audio tones representing tenths of a foot. The information is automatically recorded at the receiving station on a strip of electro-sensitive paper.

Electric Power Metering

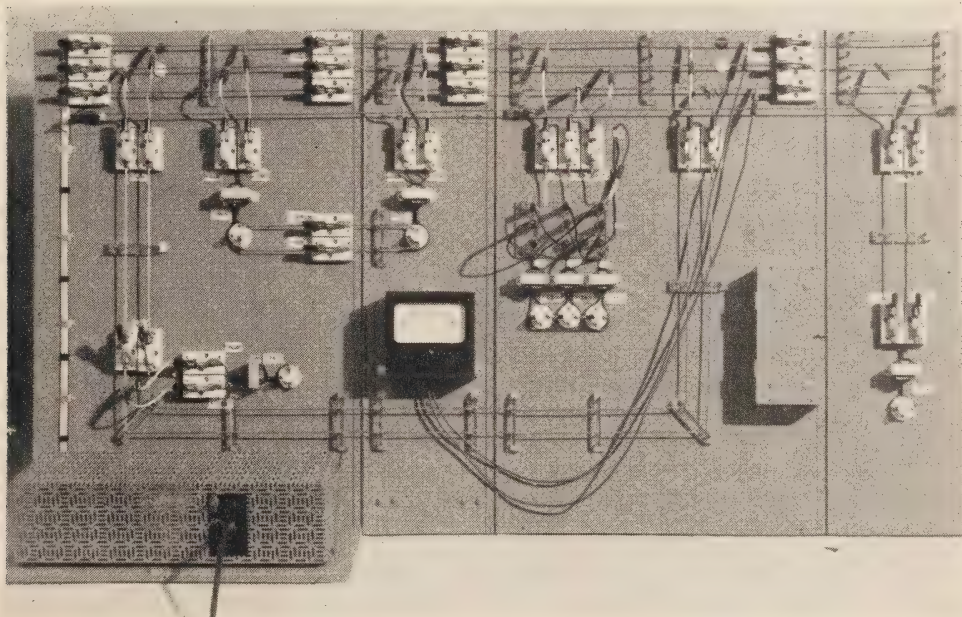
To conform with changes in Government regulations for the inspection of electricity meters, new watt-hour meter specifications were prepared and numerous investigations were conducted to establish the feasibility of these specifications. The effect of voltage surges was studied in order to determine a basic insulation level. Field measurements and laboratory tests established that some watt-hour meters are slowed appreciably when tilted by incorrect mounting. Exposure tests and performance tests were conducted in a comparison of clock-type and cyclometer-type registers.

A proposal to use a new type of single-phase meter for both two- and three-phase service was rejected after a study of operating performance. It was discovered that lack of torque, combined with the effects of low load, could result in a substantial loss of revenue.

Other major metering studies included the determination of the accuracy and dielectric strength of instrument transformers to check their conformity with specifications; the assessment of the possibility of using coupling capacitors and potential devices as an economical means of high-voltage metering and also for purposes of communication; and the development of a prototype live-line recording ammeter for use in rural areas.

Electrical Insulating Materials

The first Canadian-produced thermalastic-insulated coils destined for experimental use in the generators at Otto Holden Generating Station, were comparatively tested against other specimens and types. During this work, some new test methods were devised and checked. Accelerated aging tests were conducted on generator insulation of various types. Suitable aging criteria and



TRANSFORMER FEEDBACK DEMONSTRATOR

Model developed to promote safety consciousness by demonstrating the hazards present on de-energized lines as a result of voltage feedback through transformers from energized lines

probable limiting factors were indicated by submitting new sample coils to sustained overvoltage at working frequency and temperature, and to all known non-destructive examinations.

The potential value to the Commission of several new types of plastic and composition tape was determined. Improved polyethylene insulation, developed to prevent failure due to cracking when used in certain unfavourable environments, was investigated, and test methods were devised to ensure that materials being purchased were of a type not subject to this kind of cracking.

Methods were studied for suspending long lengths of plastic-insulated cables in a vertical or near vertical position without permitting movement of the cables and deformation of the plastic. A new individual cable support was designed, consisting of a neoprene strap bound to the cable by polyvinyl chloride tape. In addition to appropriate laboratory tests, full-scale tests designed to simulate the methods for cable support to be used at Sir Adam Beck-Niagara Generating Station No. 2 were conducted in a 200-foot stairwell in the Head Office building.

A new development in the treatment of insulating oils drawn from major equipment was the use of diatomaceous earth as a filter aid in clarifying used oil from circuit-breakers. A trial filtration of 400 gallons proved successful in removing colloidal carbon when ordinary methods had failed.

Testing of Major Electrical Equipment

Substantial savings in the cost of frequency standardization of distribution transformers were made possible by the use of a simple method of reconnection devised to convert 3-kva, 25-cycle transformers to operation at 5 kva and 60 cycles. A theoretical determination of the new characteristics of the converted transformers was substantiated by impulse testing and by measurements taken on several transformers before and after reconnection.

Static capacitor tests were completed at Sarnia Transformer Station. Analysis of the results obtained when 10,000-kva capacitor banks were energized and de-energized indicated that overvoltages are not serious and that there is little tendency to restrike.

Protection Against Lightning and Other Surges

Surge phenomena investigations were completed to determine the protection required against surges on 115-kv cables, and against lightning for the 230-kv transformers with reduced basic insulation level (900 kv) to be used for the Sir Adam Beck-Niagara Generating Station No. 2.

Corrosion Studies

The problem of corrosion as it affects water-heater tanks, and also metal exposed to the weather or buried underground was studied intensively as part of a long-term program. The degree of cathodic protection that can be provided by various types of anode and different mounting methods was determined through field and laboratory tests of galvanized water-heater tanks. Methods for providing cathodic protection for buried pipe lines were also investigated.

To measure the corrosive effect of atmospheric conditions, tests were undertaken in three locations differing widely from each other in the extent of industrial pollution and the relative humidity of their normal atmospheres. In addition to investigating corrosion in sheet specimens of aluminum alloy,

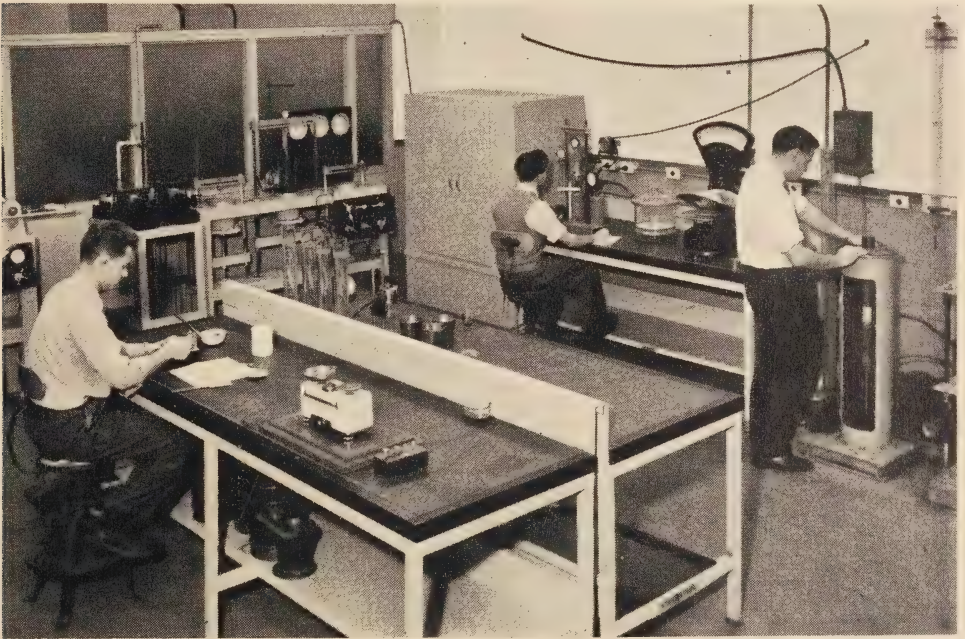
steel, and various bi-metallic applications, the studies will provide information on the value of metallic protective coatings of several types.

The effectiveness of non-metallic protective coatings for underground buried metals was being tested by the use of twenty different methods on nearly 100 specimens of steel pipe. These specimens were buried in two test plots considered to be representative of Ontario soil conditions. The electrical conductivity of each specimen will be measured periodically to detect the trend of deterioration. Various accelerated laboratory performance tests were also conducted to obtain an early indication of the value of the coatings.

STRUCTURAL MATERIALS TESTING AND CONSTRUCTION PROBLEMS

Soil Mechanics

Typical work in soil mechanics included the determination of suitable sites for transmission-line towers and underwater cable crossings, the provision of foundation data for buildings, and the selection of materials suitable for use as backfill or for stabilizing roads and parking areas.

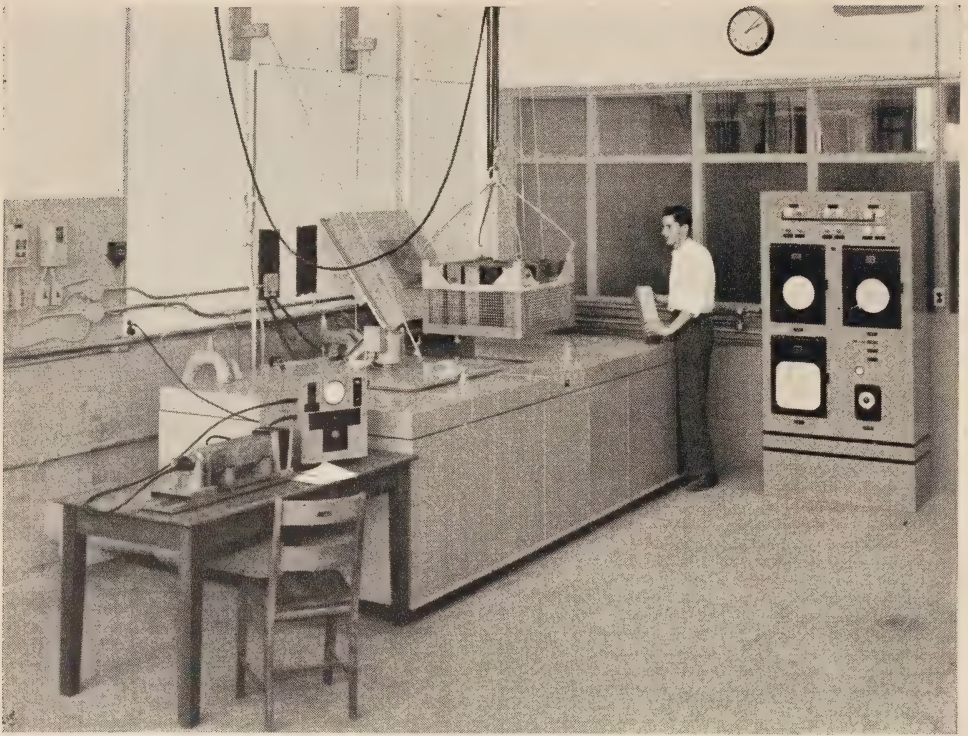


PART OF SOIL MECHANICS LABORATORY

Samples of soil from proposed building sites being tested for compressibility and working properties, and for load-bearing capacity. Apparatus at the right uses hydraulic pressure to eject soil from the sampling tube.

Frost-heaving of concrete footings was studied by the use of models of concrete piers installed in soil of a type likely to cause pronounced heaving. Various methods for counteracting the heaving were tested. The use of gravel backfill and the application of low-temperature grease appeared to be the most practical solution.

Methods for grouting soil, using chemicals or emulsified asphalt, were studied in the laboratory, and the usefulness of these materials in preventing



ACCELERATED TESTING OF DURABILITY OF CONCRETE

New equipment for exposure of concrete to alternate cycles of freezing and thawing. At the right the cycle-control cabinet and at the left a specimen of concrete ready for soniscope measurement.

seepage around dam abutments and in helping to stabilize foundations was assessed.

Concrete and Masonry

New automatically-controlled equipment was assembled for the study of concrete and masonry durability under accelerated freezing and thawing conditions. Material was subjected to changes ranging from zero to 40 degrees Fahrenheit in from nine to twelve complete cycles per day. Samples of normal and fly-ash concrete, and of different aggregate materials from construction projects were tested by alternate freezing in air and thawing in water.

Soniscope surveys of concrete structures, with occasional confirmatory core drilling, were conducted at various sites. In addition to the periodic check of the concrete in dams, a general survey was made of the concrete in ten generating stations on the Trent and Otonabee Rivers.

Comparative tests of soniscope measurements were made in conjunction with interested organizations in the United States. The development of a standard acoustic-delay line as a test specimen for the soniscope has facilitated a comparison of different instruments.

The concrete placed in the Commission's major structures during 1952 continued to be subject to careful examination and control. The main centre for activity of this kind was Sir Adam Beck-Niagara Generating Station No. 2

where approximately 500,000 tons of sand and 1,500,000 tons of crushed stone were inspected. Samples were submitted to mechanical analysis in the field laboratory.

Protective Materials

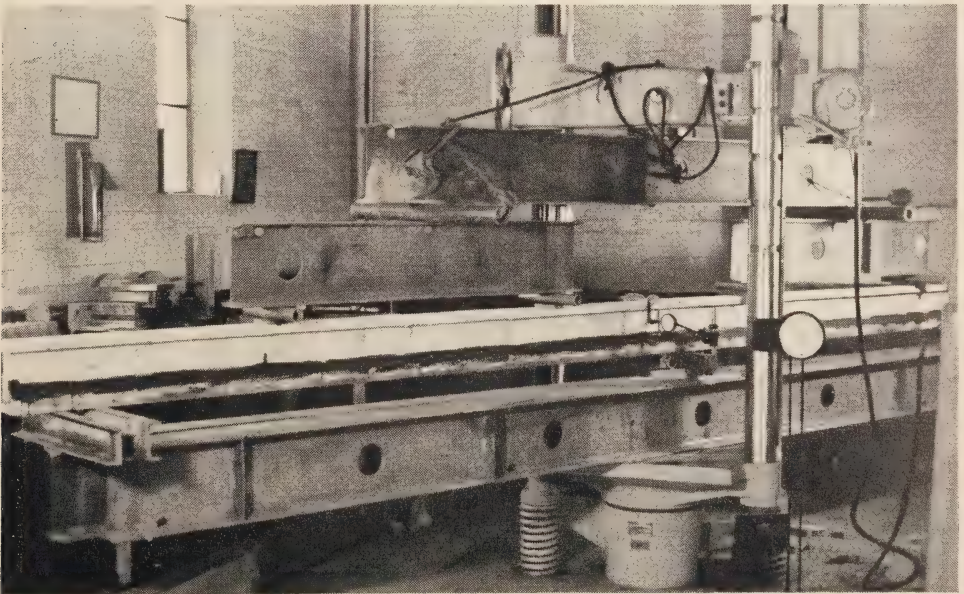
Comparative tests upon many varieties of protective materials, processes, and finishes were conducted. Various coatings for wood and steel forms used in concreting were graded according to their protective qualities and their contribution to ease in stripping. Recommendations were made for the treatment of wallboard against rot when used in contact with the ground or where relative humidity is high. A full-scale commercial application of the ammoniacal solution of copper borate developed by the Commission was undertaken in the treatment of wood poles.

Stress Measurements

At the Commission's new engineering building in Toronto, instruments were installed in the foundation during construction and these will be used to measure periodically the stresses to which the foundation will be subjected. Unbonded strain-gauge type instruments were used to measure loads directly on the earth, and a special pile-load dynamometer with bonded resistance-wire strain gauges was designed and developed to measure the load on the foundation piling. The information obtained will be supplemented by measurements of foundation swell and settlement and of pressure distribution against the sheet piling used to support excavations.

At Sir Adam Beck-Niagara Generating Station No. 2, stresses in the steel ribs of one of the tunnels were measured for comparison with the design stresses. Stress readings were taken periodically before concrete was placed.

In order to measure accurately the thrust exerted by ice on the faces of dams, the Commission designed and installed ice-thrust measuring devices in



PRESTRESSED CONCRETE ROOF-JOIST TESTED FOR STRENGTH

The joist is composed of twenty-six 8-inch concrete blocks prestressed by means of high-strength steel cables.



TESTING OF COMPONENTS

Left: Discharge tests of dry-type batteries. The panel at the right contains timers for controlling discharge periods.

Right: Determining the effect of temperature on the electrical capacity of ceramic-type condensers

the dams at Des Joachims, Otto Holden, and Pine Portage Generating Stations. During the winter of 1951-52 measurements were made and recorded at Des Joachims. Preparations were made to make similar measurements at the Otto Holden and Pine Portage Generating Stations, and it was planned to supplement the information so collected with measurements of the horizontal distribution of ice pressure by means of stress meters embedded in the ice. It was also planned to measure and study the factors which contribute to changes in ice pressure, such as the expansive force caused by a rise in ice temperature, changes in forebay elevation, and the frictional force of gusty winds.

MISCELLANEOUS WORK

Illumination

In problems dealing with illumination the Commission co-operated with the Department of Education in the study and development of new illumination techniques. Recent trends in school architecture, especially in the design and use of windows and chalkboard illumination, for example, have required new studies and evaluation.

Spectrographic Analysis

An emission-type spectrograph and associated equipment of an advanced design were acquired to supplement the wet analysis of inorganic materials, and greatly facilitated chemical studies. The instrument is intended particularly for the detection of minute quantities of an element; more accurate results are obtained by its use and results are obtained more quickly and economically than by other methods. Analyses were made of such substances as deposits from porcelain insulators, insulating oil additives, ashes of protective coatings, samples of bearing metals, and corrosion products from watt-hour meters.

SECTION VII

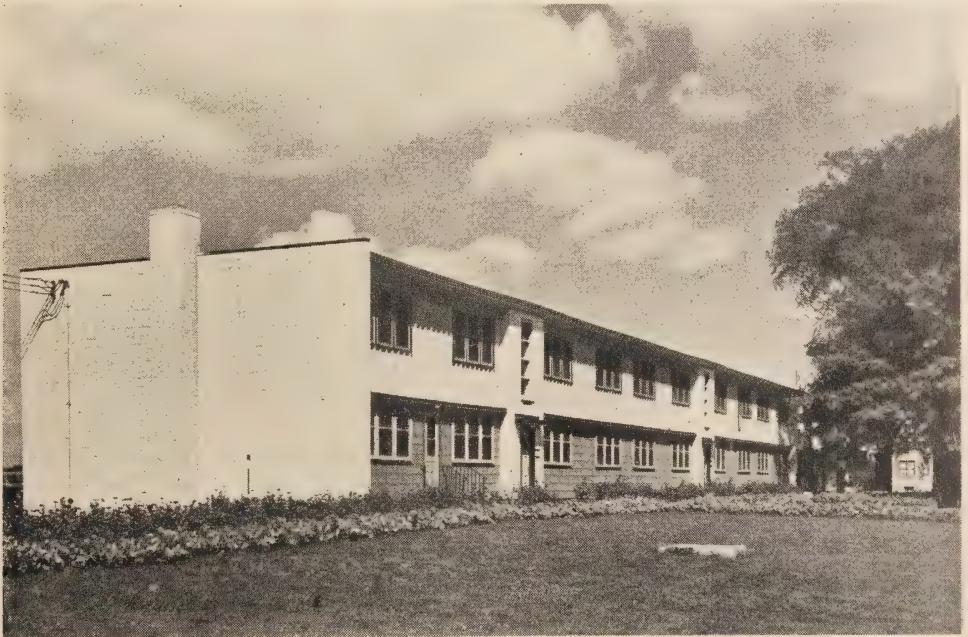
PERSONNEL ADMINISTRATION

THE total number of the Commission's employees at December 31, 1952 was 18,694. Though this total was 1,385 smaller than the total at the end of 1951, the number of employees designated as regular was greater by 649 and reached a record total of 11,907. Contractors on Commission projects reported 5,398 employees engaged on these projects at the end of the year.

Collective Bargaining

Excellent relations prevailed in the annual negotiations with the bargaining representatives of the Commission's employees, namely the Employees' Association, the Federation of Employee-Professional Engineers, and the Niagara Development Allied Council of the American Federation of Labour.

By the 1952 agreement with the Employees' Association a union security clause was adopted, and a forty-hour week for operating and maintenance staff was established. Both the Employees' Association and the Federation



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—The project building housing the administration offices has been designed so that it can become an apartment building when the project is complete.



LINEMEN IN TRAINING
Testing insulator sections

of Employee-Professional Engineers joined with the Commission in the initiation of a complete contributory medical-hospital plan, under which the Commission agreed to underwrite 50 per cent of the cost of medical attention and hospital expenses for the employees and their dependents.

Two new agreements were signed with the A.F. of L. during 1952, one with the Ontario Hydro Construction Allied Council and the other with the International Union of Operating Engineers. The provisions in these agreements were similar to those in agreements already established with construction and operating maintenance employees.

Of particular significance to the Commission's collective relations was a decision by the Ontario Labour Relations Board endorsing in effect the concept of a province-wide construction bargaining unit, a concept essential to the Commission's agreement made with the Ontario Hydro Construction Allied Council.

Evidence of co-operation between the unions and the Commission was visible in an Engineering Effectiveness Program within the Engineering Branch, and in the operation of various Employee-Management committees.

Manpower Development

The Commission continued to recognize the importance, both from its own point of view and the employee's, of making the maximum effective use of the varied skills of every person employed. To achieve this end, a program was prepared which involved a study of organization at all levels, an appraisal of employee skills, and the planning of their development within the organization.

The introduction of the program resulted in increased participation in training activities. These activities included courses for supervisors in organizing and guiding staff conferences and in improving their relations with their fellow-workers. Specialized courses in management offered by the Universities of Toronto and Western Ontario and by the American Management Association were also utilized.

The Commission's training centre gave trade instruction to 250 linemen and 135 foresters, in addition to other trade and professional groups. A total of 298 men participated in the operator-in-training program, and 255 were engaged during the year in correspondence courses sponsored by the Commission.

Medical

Employees in increasing numbers continued to avail themselves of medical services provided by the Commission in the form of periodic health examinations, consultations, and visits by nursing staff.

The hospital at Sir Adam Beck-Niagara Generating Station No. 2 admitted 559 patients and provided out-patient treatment on over 14,000 visits by employees of the Commission and its contractors. First-aid stations on the project treated 2,644 accident cases and 1,115 patients with various ailments.

A short elementary course in first aid was completed in all the Regions and in the Construction Division.

Accident Prevention

As an important part of the campaign to alert supervisors, particularly foremen and sub-foremen, to the need for safety consciousness at all times, a

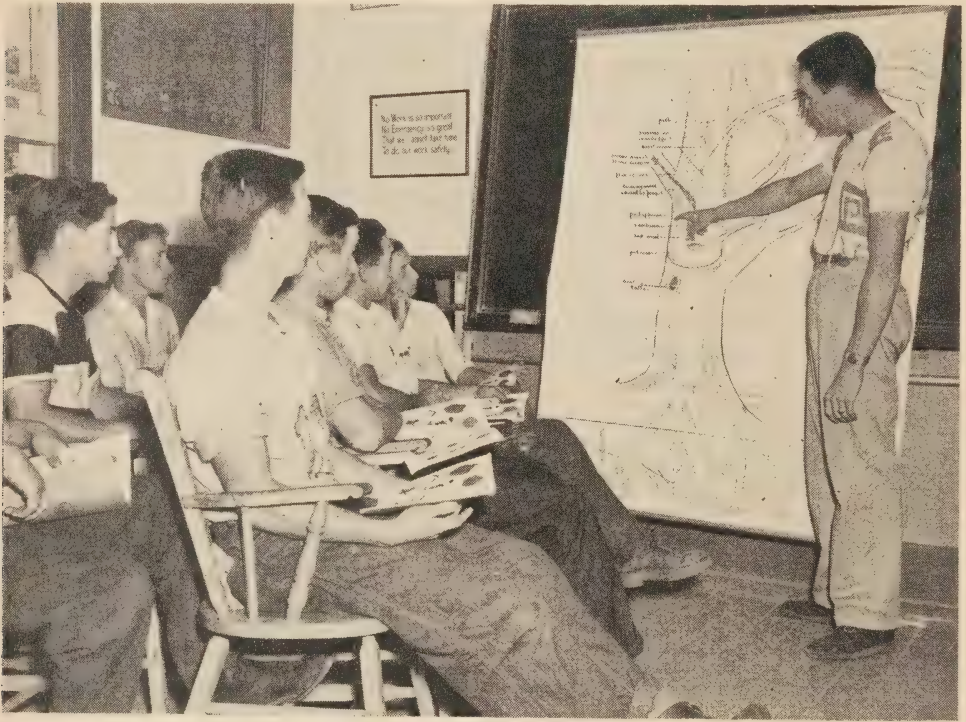


Foresters in training developing skill in rope-climbing techniques

program of conference-type discussions on accident prevention was instituted in the Construction Division and a number of the Regions.

Considerable research was undertaken in the field of accident prevention. For example, a model electric distribution system was used to demonstrate the hazards involved in transformer feed-back; investigations were made of the effectiveness of various makes of safety hats; the study of dead-man controls on cranes resulted in their becoming standard on new installations; specifications for life preservers were tested and established; and field data on safe practices concerning the use of dynamite were revised.

These studies were further amplified through close and detailed study of each major accident by the supervisors directly concerned. Such information was brought to the attention of employees throughout the Commission by means of posters, displays, and publications.



FORESTERS IN TRAINING

A class studying tree structure at the Commission's training centre

SECTION VIII

MUNICIPAL ELECTRICAL ACCOUNTS

Accounts of the Municipal Electrical Utilities Operated by Municipalities and Served by The Hydro-Electric Power Commission of Ontario

THE Municipal Electrical Accounts section of this Report presents individually and in summary the results of the operations of the municipal electrical utilities in municipalities owning their own distribution systems and served under cost or fixed-rate contracts with the Commission. These are the municipalities referred to as Group 1 on page 30. The statements of operations and the balance sheets showing the financial status of these utilities at December 31, 1952 are prepared from their books of account. Other tables give statistical information on energy consumption, revenues, rates, and average costs for various classes of service.

The books of account on which the financial statements are based are kept in accordance with an accounting system designed by the Commission and accepted as a standard for utilities in all municipalities that have contracted with the Commission for a supply of power. During 1952 this system was installed in the municipalities of Bronte, Eganville, Hearst, and Sundridge.

These books of account are periodically inspected, and from time to time improvements in office routine are recommended with a view to standardizing methods employed. In many of the smaller municipalities much of the book-keeping for the utilities is undertaken by representatives of the municipal accounting department of the Commission. Supervision of this kind ensures the correct application of the standard accounting system and the uniform classification of revenues and expenditures.

The utilities maintain their own accounts with their respective municipalities for such services as street lighting, waterworks, and public transportation. In conformity with the Commission's policy of service at cost, rates have been established at levels calculated to provide revenue sufficient to cover these services. Where there has been a surplus of revenue in these accounts for municipal services, it has been returned in the form of cash or credit to the municipality. The municipality is, on the other hand, required to liquidate any deficit that may accrue.

Analysis of Statements

Statement "A" includes the balance sheets, and Statement "B" the operating reports of the utilities individually. These are summarized at pages 103 and 105 where a comparative summary for each of the preceding seven

years also appears. Statement "C" deals primarily with rates to customers within municipalities served by the utilities or by the Commission through local systems. Statement "D" gives information on number of customers, revenue, and consumption for each utility.

Elsewhere in this Report reference is made to the merging of the Northern Ontario Properties and the former Thunder Bay System. In this municipal section, wherever comparisons are made, statistics for Northern Ontario Properties as constituted in 1952 have been compared with statistics compiled on the same basis for 1951.

Statement "A"

The balance sheets of the utilities are given in alphabetical order under each of the Southern Ontario System and the Northern Ontario Properties. Plant values are given under the general headings specified in the standard accounting system. The asset designated as "Equity in H-E.P.C. systems" is shown in contra under "Reserves". This equity is acquired by the utilities through the payment of sinking fund as part of the cost of power. With a few exceptions the utilities show the equities as at the close of the previous year since certain year-end adjustments have been postponed to facilitate the early closing of their books. "Surplus" includes both operating surplus and the amount of money applicable to the retirement of debenture debt, whether already used for that purpose or accumulated in a local sinking fund.

Statement "B"

The operating statements for the utilities are arranged alphabetically in the same way as the balance sheets. They show itemized revenues and expenses, and the provision made for depreciation and other reserves. The number of customers served in each of three classes is also shown. The item "Power purchased" in this statement is the net amount paid by the utility after adjustments have been made by the Commission, taking into consideration the difference between the interim rate charged (See Cost of Power Statement) and the actual cost of the power supplied to the municipality. Here again to facilitate early closing of their books, most of the utilities report the adjustments in the cost of power made in the previous year rather than those of the current year.

Statement "C"

This statement reports the local rates for domestic, commercial light, and power service in effect at December 31, 1952, both in the municipalities served by utilities and in those municipalities served by the Commission through its local systems. (See Group 3, page 30.)

Statement "D"

This statement gives for each utility the revenue, energy consumption, number of customers, average monthly bill, and average cost per kilowatt-hour both for domestic and commercial light service. For power service the statement gives the revenue, number of customers, and average of the monthly loads billed.

The utilities are classified according to the population of the municipalities they serve and are arranged alphabetically in four classes as follows:

(1) cities having a population of more than 10,000, (2) voted areas adjacent to

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

MUNICIPAL ELECTRICAL UTILITIES
FORTY YEARS REVENUES

DOLLARS

DOMESTIC SERVICE

35,000,000

30,000,000

25,000,000

20,000,000

15,000,000

10,000,000

5,000,000

1913

1914

1915

1916

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1941

1942

1943

1944

1945

1946

1947

1948

1949

1950

1951

1952

DOLLARS

COMMERCIAL LIGHT SERVICE

20,000,000

15,000,000

10,000,000

5,000,000

1913

1914

1915

1916

1917

1918

1919

1920

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1922

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1951

1952

DOLLARS

POWER SERVICE

30,000,000

25,000,000

20,000,000

15,000,000

10,000,000

5,000,000

1913

1914

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1916

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1951

1952

cities, (3) municipalities with population of more than 2,000, and (4) municipalities and other communities with populations of fewer than 2,000. Population figures are based on assessed population as given in the Municipal Directory for 1952 published by the Department of Municipal Affairs of Ontario.

Financial Summary

Municipal Electrical Utilities

Revenue received from customers was sufficient to meet in full all operating expenses, interest and debt retirement instalments, and standard depreciation in 319 utilities. The total surplus in these utilities after all these allowances was \$9,261,446. The remaining 8 utilities were able to defray out of revenues all such charges except a portion of the depreciation allocation amounting to \$18,637.

Operating Reports

Total Revenue

The total revenue of the utilities in 1952 as shown in Statement "B" was \$90,059,039 as compared with \$82,311,681 in 1951, an increase of \$7,747,358 or 9.4 per cent.

Total Expenditure

The items of expenditure of the utilities included \$55,583,501 for power purchased for the most part from the Commission; \$17,886,623 for system operation, maintenance, and administration; \$989,789 for interest; \$991,598 for sinking fund and payment on debentures; and \$5,364,720 for depreciation and other reserves. Total expenses and reserve appropriations of \$80,816,231 exceeded the corresponding amount in 1951 by \$7,171,890 or 9.7 per cent.

Total Net Surplus

The utilities showed a net surplus in 1952 amounting to \$9,242,809 after provision was made for the above expenditures. This surplus exceeded that of 1951 by \$575,469 or 6.6 per cent.

Southern Ontario System

In the utilities of the Southern Ontario System alone the total revenue in 1952 was \$85,585,214 or 9.2 per cent greater than the revenue in 1951 which amounted to \$78,341,163. The total net surplus for the year amounted to \$8,781,906 as compared with \$8,324,421 in 1951, an increase of 5.5 per cent.

Northern Ontario Properties

The total revenue of the utilities served by the Northern Ontario Properties was \$4,473,826. The total net surplus for the year amounted to \$460,903. The revenue was 12.7 per cent greater than the revenue of \$3,970,518 in 1951, and the net surplus was 34.4 per cent greater than the surplus of \$342,919 in 1951.

Balance Sheets

Assets

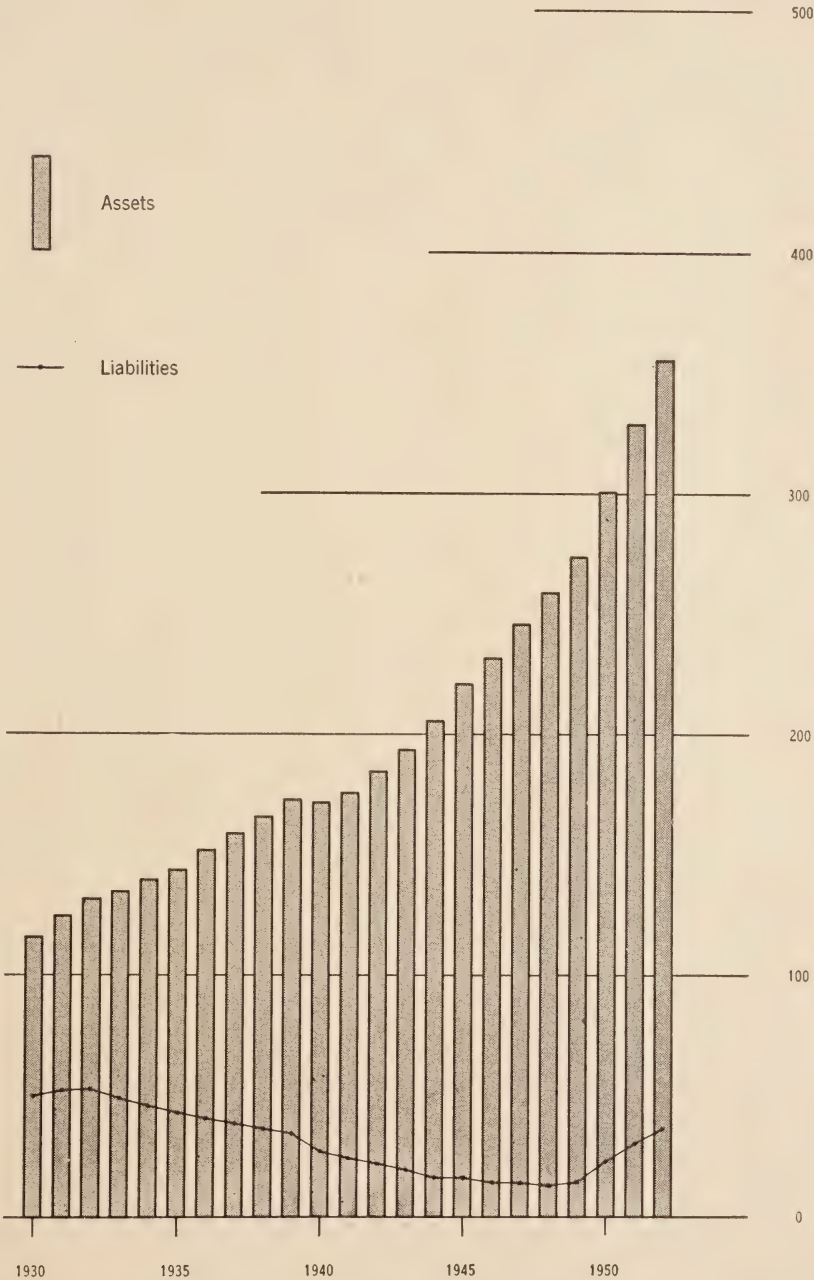
The gross investment in fixed assets of the utilities at December 31, 1952 amounted to \$193,795,886 against which there was an accumulated reserve for depreciation of \$50,985,329. The assets after deduction of this depreciation

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

MUNICIPAL ELECTRICAL UTILITIES

TOTAL ASSETS AND TOTAL LIABILITIES

MILLION DOLLARS



amounted to \$305,343,051, of which \$128,655,935 represented the equity in the Commission's systems of those utilities operating under cost contracts with the Commission.

Liabilities

Total liabilities increased from \$30,240,911 at December 31, 1951 to \$36,297,274 at December 31, 1952. The major part of this increase is represented by the growth in the debenture debt made necessary by the major extensions to distribution systems being undertaken by the utilities. The net increase in debenture balance outstanding was \$5,269,719 as compared with a net increase in fixed assets amounting to \$20,073,429. It is evident that municipalities continued in 1952 to follow the long-established principle of financing capital improvements in large measure out of reserves and surplus. The total net debt at December 31, 1952 was equal to 15.8 per cent of total assets, exclusive of the utilities' equity in the Commission's systems.

Southern Ontario System

The gross investment in fixed assets of the utilities in the Southern Ontario System at December 31, 1952 amounted to \$185,026,231 against which there was an accumulated reserve for depreciation amounting to \$48,720,966. Assets of \$288,756,643 after deduction of this depreciation reserve include \$120,684,627 representing the equity of the utilities operating under cost contracts with the Commission.

Northern Ontario Properties

The gross investment in fixed assets of the utilities in the Northern Ontario Properties amounted to \$8,769,654 against which an accumulated reserve of \$2,264,363 has been provided for depreciation. Assets of \$16,586,408 after deduction of this depreciation reserve include \$7,971,308 representing the equity acquired by the utilities operating under cost contracts with the Commission.

MUNICIPAL ELECTRICAL ACCOUNTS

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CONSOLIDATED

Year.....	1945	1946	1947
Number of municipalities included.....	304	304	304
ASSETS	\$	\$	\$
Lands and buildings.....	11,879,469.56	11,830,325.45	12,220,747.92
Substation equipment.....	26,201,620.92	26,778,943.63	28,430,102.81
Distribution system, overhead.....	26,835,864.78	27,810,938.64	29,230,801.09
Distribution system, underground.....	6,539,797.63	6,848,694.50	7,400,874.88
Line transformers.....	13,360,997.73	14,247,872.95	15,698,549.76
Meters.....	11,742,720.68	12,325,105.86	13,112,187.77
Street light equipment, regular.....	3,066,246.06	3,268,433.46	3,827,634.40
Street light equipment, ornamental.....	1,551,628.63	1,555,698.39	1,536,957.94
Miscellaneous construction expense.....	3,469,256.69	3,802,802.98	4,242,837.80
Steam or hydraulic plant.....	1,005,980.83	1,080,730.83	1,080,976.81
Old plant.....	692,517.55	658,421.95	587,479.45
Other capital assets.....			
Total plant.....	106,346,101.06	110,207,968.64	117,369,150.63
Less reserve for depreciation.....	36,331,919.08	38,253,203.71	40,146,511.52
	70,014,181.98	71,954,764.93	77,222,639.11
Bank and cash balance.....	1,744,827.39	3,584,075.84	2,759,333.88
Securities and investments.....	27,530,379.33	27,152,189.81	27,721,988.41
Accounts receivable.....	3,682,108.35	4,133,184.23	4,381,276.48
Inventories.....	1,735,925.21	2,193,231.80	3,140,379.57
Sinking fund on local debentures.....	4,952,718.62	4,609,214.16	4,387,586.13
Other assets.....	290,022.85	326,083.52	543,728.14
Frequency standardization expenditure in suspense.....			
Equity in H-E.P.C. systems.....	109,950,163.73	113,952,744.29	120,156,931.72
	75,002,351.38	80,670,336.85	86,574,096.81
Total.....	184,952,515.11	194,623,081.14	206,731,028.53
LIABILITIES			
Debenture balance.....	10,612,595.02	9,049,583.60	7,947,290.14
Accounts payable.....	2,528,081.42	2,267,268.71	3,028,306.12
Bank overdraft.....	429,585.64	355,417.71	613,465.91
Other liabilities.....	2,707,515.21	2,636,251.52	2,642,971.05
Total liabilities.....	16,277,777.29	14,308,521.54	14,232,033.22
RESERVES			
For equity in H-E.P.C. systems.....	75,002,351.38	80,670,336.85	86,574,096.81
Other reserves.....	6,979,074.47	7,356,359.46	5,788,442.87
	81,981,425.85	88,026,696.31	92,362,539.68
SURPLUS			
Debentures paid.....	47,340,018.06	48,935,858.04	50,208,313.28
Local sinking fund.....	4,952,718.62	4,609,214.16	4,387,586.13
Operating surplus.....	34,400,575.29	38,742,791.09	45,540,556.22
Net frequency standardization expense charged this year.....			
Total surplus.....	86,693,311.97	92,287,863.29	100,136,455.63
Total.....	184,952,515.11	194,623,081.14	206,731,028.53

BALANCE SHEETS

1948	1949	1950	1951	1952
308	315	321	324	327
\$	\$	\$	\$	\$
12,981,533.46	13,759,701.81	16,659,377.57	18,575,200.20	21,331,827.33
29,626,621.36	32,405,939.81	36,684,736.84	41,489,688.84	44,818,917.42
31,541,077.08	34,325,936.81	39,435,443.26	43,521,167.44	48,936,112.16
8,040,205.01	8,663,874.53	9,880,526.08	10,554,818.60	11,985,221.93
17,593,431.84	19,267,220.87	22,639,038.94	25,596,437.39	29,683,581.03
13,948,013.24	15,050,359.45	16,857,378.24	18,239,365.71	19,850,925.86
4,486,158.98	4,847,993.56	5,271,825.19	5,927,660.80	6,772,165.42
1,558,798.17	1,564,378.72			
4,290,247.58	4,608,566.91	5,234,089.19	5,961,347.63	6,531,604.30
1,457,291.81	1,478,544.77	3,322,767.89	3,313,781.93	3,505,149.49
573,313.04	773,261.68	162,880.55	542,988.37	102,266.64
				278,114.00
126,096,691.57	136,745,778.92	156,148,063.75	173,722,456.91	193,795,885.58
41,962,273.09	43,893,598.38	46,310,558.56	48,087,416.88	50,985,328.59
84,134,418.48	92,852,180.54	109,837,505.19	125,635,040.03	142,810,556.99
3,480,104.26	2,654,186.08	2,807,734.27	3,276,778.98	4,667,729.07
26,691,542.33	24,109,961.67	19,706,944.56	16,291,592.69	11,542,720.01
3,987,098.82	4,878,682.68	6,922,076.43	7,727,032.69	7,386,627.75
3,814,953.93	4,229,137.22	5,114,209.37	7,514,369.31	8,001,402.81
1,795,295.61	569,497.99	592,491.22	613,435.37	388,409.83
541,982.60	1,089,348.62	917,535.55	787,656.78	795,718.70
	155,744.87	767,592.91	848,580.09	1,093,950.06
124,445,396.03	130,538,739.67	146,666,089.50	162,694,485.94	176,687,115.22
92,889,067.86	100,051,662.98	108,475,000.19	118,269,170.96	128,655,935.37
217,334,463.89	230,590,402.65	255,141,089.69	280,963,656.90	305,343,050.59
5,297,137.36	4,545,744.63	14,069,133.05	18,889,520.06	24,159,238.87
3,813,817.24	5,666,357.71	5,906,614.43	7,653,317.92	8,918,225.06
839,973.70	943,682.84	1,470,416.79	2,085,158.47	1,456,977.43
2,841,344.30	2,984,132.94	1,489,028.47	1,612,914.06	1,762,832.81
12,792,272.60	14,139,918.12	22,935,192.74	30,240,910.51	36,297,274.17
92,889,067.86	100,051,662.98	108,475,000.19	118,269,170.96	128,655,935.37
4,545,757.39	4,673,978.72	4,314,186.14	5,628,316.81	8,008,751.79
97,434,825.25	104,725,641.70	112,789,186.33	123,897,487.77	136,664,687.16
53,457,629.91	55,525,205.90	56,534,877.64	59,434,311.73	60,260,350.13
1,795,295.61	569,497.99	592,491.22	613,435.37	388,409.83
51,854,440.52	55,638,367.30	62,522,124.72	67,511,314.72	72,374,287.61
	8,228.36	232,782.96	733,803.20	641,958.31
107,107,366.04	111,724,842.83	119,416,710.62	126,825,258.62	132,381,089.26
217,334,463.89	230,590,402.65	255,141,089.69	280,963,656.90	305,343,050.59

CONSOLIDATED

YEAR.....	1945	1946	1947
Number of municipalities included.....	304	304	304
EARNINGS	\$	\$	\$
Domestic service.....	15,543,145.28	16,852,308.83	18,172,574.54
Commercial light service.....	8,150,923.90	8,979,037.16	9,819,043.11
Commercial power service.....	15,544,085.89	15,707,154.73	17,613,525.22
Municipal power.....	2,134,062.24	2,161,079.81	2,216,812.71
Street lighting.....	1,922,281.13	1,975,024.68	2,057,215.86
Merchandise.....	65,590.57	179,252.65	233,117.94
Miscellaneous.....	1,097,719.02	1,210,440.76	1,267,485.38
Total earnings.....	44,457,808.03	47,064,298.62	51,379,774.76
EXPENSES			
Power purchased.....	26,633,166.70	29,131,997.88	31,760,128.32
Substation operation.....	654,305.46	753,931.65	855,965.41
Substation maintenance.....	423,473.57	444,276.75	475,837.06
Distribution system, operation and maintenance.....	1,243,381.36	1,404,441.08	1,628,081.77
Line transformer maintenance.....	155,240.82	168,429.61	219,164.00
Meter maintenance.....	470,203.18	528,810.47	607,758.38
Consumers' premises expenses.....	581,603.20	699,773.37	822,675.89
Street lighting, operation and maintenance.....	487,565.20	493,443.23	547,556.40
Promotion of business.....	171,063.89	183,606.79	231,488.57
Billing and collecting.....	1,305,542.48	1,428,246.45	1,643,780.22
General office, salaries and expenses.....	1,201,915.79	1,319,972.30	1,521,688.93
Undistributed expense.....	640,831.75	831,176.06	840,075.97
Truck operation and maintenance.....	123,720.21	147,458.42	202,997.29
Interest.....	710,300.94	525,588.16	423,041.93
Sinking fund and principal payments on debentures.....	1,255,825.57	1,239,108.29	992,793.11
Depreciation.....	2,736,906.64	2,824,871.68	3,002,877.86
Other reserves.....	1,216,822.19	1,503,255.70	1,478,990.80
Total operating costs and fixed charges.....	40,011,868.95	43,628,387.89	47,254,901.91
Net surplus.....	4,445,939.08	3,435,910.73	4,124,872.85
NUMBER OF CUSTOMERS			
Domestic service.....	590,723	606,046	625,705
Commercial light service.....	81,118	85,400	87,937
Power service.....	14,339	15,115	15,867
Total.....	686,180	706,561	729,509

OPERATING REPORTS

1948	1949	1950	1951	1952
308	315	321	324	327
\$	\$	\$	\$	\$
19,506,499.27	21,137,834.75	28,066,402.91	31,977,317.76	35,719,556.00
9,766,500.29	10,444,393.84	14,690,733.78	17,033,595.94	18,883,646.21
18,235,664.95	19,178,070.91	23,873,159.20	26,172,943.55	27,969,600.46
2,343,112.69	2,475,539.80	2,907,974.03	3,011,056.35	3,120,077.38
2,153,034.35	2,219,551.02	2,552,755.74	2,769,300.03	3,051,561.67
221,544.94	216,734.17	216,549.51	100,096.18	95,209.20
1,268,351.70	1,231,076.24	1,215,956.41	1,247,371.11	1,219,388.54
53,494,708.19	56,903,200.73	73,523,531.58	82,311,680.92	90,059,039.46
32,432,823.73	36,225,068.75	46,400,040.72	50,854,323.41	55,583,500.98
1,019,515.46	1,126,138.22	1,441,553.66	1,648,120.74	1,812,532.71
595,059.49	626,041.76	679,136.10	758,392.52	867,073.89
1,967,371.30	2,110,892.72	2,682,034.57	3,070,534.44	3,422,084.98
249,212.31	279,383.13	335,739.15	423,156.46	523,767.55
699,593.39	751,382.32	762,974.01	849,951.63	973,728.31
1,005,146.07	1,061,668.85	1,243,611.94	1,430,859.05	1,546,966.93
602,995.88	688,584.31	705,830.91	755,502.07	845,581.99
343,395.13	282,618.04	277,190.88	319,888.95	331,117.86
1,872,644.99	2,077,074.94	2,382,607.11	2,776,376.16	3,088,533.47
1,814,028.57	1,961,727.80	2,162,662.43	2,487,764.68	2,893,011.38
803,047.22	833,337.54	1,331,333.41	1,699,441.87	1,333,142.85
243,560.50	269,151.54	302,310.53	240,376.40	249,081.16
339,213.78	305,084.60	497,138.36	675,630.04	989,788.76
903,443.37	842,182.95	980,917.96	849,300.82	991,597.62
3,278,262.63	3,631,483.76	4,076,473.95	4,717,496.55	5,293,508.78
1,051,522.24	634,690.02	1,769,378.03	87,225.06	71,211.41
49,220,836.06	53,706,511.25	68,030,933.72	73,644,340.85	80,816,230.63
4,273,872.13	3,196,689.48	5,492,597.86	8,667,340.07	9,242,808.83
649,220	684,417	745,422	778,517	811,233
91,382	94,881	104,122	107,416	111,169
16,439	17,184	18,372	18,947	19,573
757,041	796,482	867,916	904,880	941,975

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM

Municipality.....	Acton	Agincourt	Ailsa Craig	Alexandria	Alliston
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....	5,274.58			47,522.87	
Substation equipment.....	1,958.36				
Distribution system, overhead.....	53,459.11	24,673.73	12,595.53	48,170.18	47,997.49
Distribution system, underground.....					
Line transformers.....	33,391.44	19,821.50	7,274.94	28,996.19	22,465.82
Meters.....	21,663.03	9,194.98	4,881.36	15,357.31	20,248.56
Street light equipment, regular.....	9,037.85	5,891.12	535.35	4,614.69	6,165.77
Miscellaneous construction expense.....	3,697.09	23.30	34.01	1,787.87	1,625.49
Steam or hydraulic plant.....					
Old plant.....					7,846.49
Other capital assets.....					
Total plant.....	128,481.46	59,604.63	25,321.19	146,449.11	106,349.62
Less reserve for depreciation.....	17,341.42	7,081.23	1,815.13	23,182.90	17,978.38
	111,140.04	52,523.40	23,506.06	123,266.21	88,371.24
Bank and cash balance.....	4,947.58	3,176.25	627.98	1,885.82	10,752.10
Securities and investments.....	2,000.00	2,500.00	2,500.00	13,000.00	22,000.00
Accounts receivable.....	3,093.29	1,563.96	716.00	994.43	1,495.99
Inventories.....	1,283.78				5,305.25
Sinking fund on local debentures.....					
Other assets.....	443.68				1,365.74
Frequency standardization expenditure in suspense.....	436.47				
	123,344.84	59,763.61	27,350.04	139,146.46	129,290.32
Equity in H-E.P.C. systems.....	177,560.18	29,410.52	31,553.26	63,611.56	58,430.13
Total.....	300,905.02	89,174.13	58,903.30	202,758.02	187,720.45
LIABILITIES					
Debenture balance.....					
Accounts payable.....	667.98	3,969.61	5,087.26	12,190.59	316.43
Bank overdraft.....					
Other liabilities.....	2,333.19	510.00	125.00	2,380.81	1,049.00
Total liabilities.....	3,001.17	4,479.61	5,212.26	14,571.40	1,365.43
RESERVES					
For equity in H-E.P.C. systems.....	177,560.18	29,410.52	31,553.26	63,611.56	58,430.13
Other reserves.....		47.23			100.00
	177,560.18	29,457.75	31,553.26	63,611.56	58,530.13
SURPLUS					
Debentures paid.....	14,500.00	8,072.65	6,883.38	38,299.23	37,736.04
Local sinking fund.....					
Operating surplus.....	105,843.67	47,164.12	16,934.17	86,275.83	90,088.85
Net frequency standardization expense charged this year.....			1,679.77		
Total surplus.....	120,343.67	55,236.77	22,137.78	124,575.06	127,824.89
Total.....	300,905.02	89,174.13	58,903.30	202,758.02	187,720.45

Statement A includes 327 municipalities of group 1, see page 30.

Utilities as at December 31, 1952

Almonte	Alvinston	Amherstburg	Ancaster Twp. (V.A.)	Apple Hill	Arkona	Arnprior
\$	\$	\$	\$	\$	\$	\$
11,234.79	1,925.04		354.71	169.06		8,241.00
24,581.90						
44,437.12	25,310.29	66,841.67	68,754.58	8,046.05	12,578.18	60,896.25
		657.77				
25,876.00	5,881.62	57,552.06	27,076.77	2,887.91	7,240.26	45,744.78
17,183.33	5,882.90	26,667.80	16,004.92	1,845.74	4,578.54	26,626.20
9,337.52	1,473.27	3,598.27	1,940.76	421.12	1,378.88	45,291.16
1,241.21	230.24	3,156.80	5,307.04	7.85	87.76	292.39
110,647.67						
244,539.54	40,703.36	158,474.37	119,438.78	13,377.73	25,863.62	187,091.78
60,490.24	10,729.21	46,194.97	11,835.43	1,901.33	6,319.34	8,635.19
184,049.30	29,974.15	112,279.40	107,603.35	11,476.40	19,544.28	178,456.59
27,731.06	751.53	2,307.54		1,869.07	2,168.21	8,177.67
32,000.00	4,500.00	14,350.00		2,500.00	500.00	
3,208.65	441.85	4,466.34	7,710.32	25.19	749.63	1,469.11
6,519.61		12,398.38	97.70			12,767.20
		56.00	127.00			
			6.00			
253,508.62	35,667.53	145,857.66	115,544.37	15,870.66	22,962.12	200,870.57
10,963.18	31,726.33	135,864.01	44,905.28	7,128.69	14,818.30	50,616.30
264,471.80	67,393.86	281,721.67	160,449.65	22,999.35	37,780.42	251,486.87
8,325.86			26,836.08			
3,565.41	0.10	2,700.61	16,448.54	228.57	855.70	11,258.19
			5,777.58			
758.31	94.38	888.34	294.32			3,531.23
12,649.58	94.48	3,588.95	49,356.52	228.57	855.70	14,789.42
10,963.18	31,726.33	135,864.01	44,905.28	7,128.69	14,818.30	50,616.30
1,536.63	59.50	787.10	48.02			
12,499.81	31,785.83	136,651.11	44,953.30	7,128.69	14,818.30	50,616.30
63,674.14	23,529.24	32,053.60	17,274.20	5,080.12	13,112.83	55,469.13
175,648.27	11,984.31	109,490.11	48,865.63	10,561.97	10,378.89	130,612.02
		62.10			1,385.30	
239,322.41	35,513.55	141,481.61	66,139.83	15,642.09	22,106.42	186,081.15
264,471.80	67,393.86	281,721.67	160,449.65	22,999.35	37,780.42	251,486.87

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Arthur	Athens	Aurora	Aylmer	Ayr
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....			24,860.82	11,196.61	125.00
Substation equipment.....			1,491.05	5,125.60	
Distribution system, overhead....	25,256.70	19,880.09	58,920.31	52,792.38	15,800.29
Distribution system, underground..					
Line transformers.....	16,251.27	6,479.70	41,648.77	52,822.64	11,294.84
Meters.....	9,502.91	5,203.59	28,245.27	26,573.40	6,224.85
Street light equipment, regular....	2,486.27	3,907.13	8,747.77	12,179.62	1,189.78
Miscellaneous construction expense	1,323.13	44.68	16,834.16	6,384.06	131.14
Steam or hydraulic plant.....					
*Old plant.....	1,086.62				
Other capital assets.....					
Total plant.....	55,906.90	35,515.19	180,748.15	167,074.31	34,765.90
Less reserve for depreciation....	14,168.29	4,300.31	33,031.66	38,650.52	9,319.50
	41,738.61	31,214.88	147,716.49	128,423.79	25,446.40
Bank and cash balance.....	5,891.14	14,086.99	6,106.60	4,332.90	1,699.24
Securities and investments.....	4,000.00	9,000.00			14,000.00
Accounts receivable.....	331.61	1,455.43	482.42	2,215.09	1,203.59
Inventories.....			168.84	325.24	
Sinking fund on local debentures..					
Other assets.....			70.00	68.00	15.00
Frequency standardization expendi- ture in suspense.....					
	51,961.36	55,757.30	154,544.35	135,365.02	42,364.23
Equity in H-E.P.C. systems.....	41,636.16	15,885.40	42,525.79	112,032.38	35,078.40
Total.....	93,597.52	71,642.70	197,070.14	247,397.40	77,442.63
LIABILITIES					
Debenture balance.....	1,126.56				
Accounts payable.....	512.27	1,236.76	27,069.74	2,095.34	73.43
Bank overdraft.....					
Other liabilities.....	337.60		1,330.41	1,490.66	83.64
Total liabilities.....	1,976.43	1,236.76	28,400.15	3,586.00	157.07
RESERVES					
For equity in H-E.P.C. systems....	41,636.16	15,885.40	42,525.79	112,032.38	35,078.40
Other reserves.....		206.06	50.00	778.57	
	41,636.16	16,091.46	42,575.79	112,810.95	35,078.40
SURPLUS					
Debentures paid.....	23,873.44	12,988.39		38,701.92	17,503.38
Local sinking fund.....					
Operating surplus.....	26,111.49	41,326.09	126,094.20	92,298.53	24,703.78
Net frequency standardization ex- pense charged this year.....					
Total surplus.....	49,984.93	54,314.48	126,094.20	131,000.45	42,207.16
Total.....	93,597.52	71,642.70	197,070.14	247,397.40	77,442.63

Utilities as at December 31, 1952

Baden	Bancroft	Barrie	Barry's Bay	Bath	Beachville	Beamsville
\$	\$	\$	\$	\$	\$	\$
882.40		137,988.46			176.13	
		135,462.57				
14,455.97	21,396.04	160,621.23	16,755.36	13,220.25	35,266.64	27,601.71
		66,582.89				
7,811.08	12,409.15	120,787.67	8,602.77	5,285.40	11,439.55	19,831.43
6,037.59	8,497.51	103,674.47	5,288.97	2,765.24	6,236.85	12,565.80
830.96	2,319.92	17,258.70	1,625.32	1,153.04	875.09	3,727.71
241.79	595.23	650.00	91.35	27.00	1,540.89	
	108,417.83					
			2,500.00			
30,259.79	153,635.68	743,025.99	34,863.77	22,450.93	55,535.15	63,726.65
6,102.78	29,590.95	191,449.81	744.31	4,934.20	11,443.24	15,523.88
24,157.01	124,044.73	551,576.18	34,119.46	17,516.73	44,091.91	48,202.77
12,230.54	4,676.29	33,652.93	7,676.48	2,036.43		1,862.86
6,500.00					9,000.00	22,000.00
107.25	4,587.72	5,167.38	236.15	199.76	315.61	319.71
	2,674.95	14,784.69				
		399.64				
						165.00
42,994.80	135,983.69	605,580.82	42,032.09	19,752.92	53,407.52	72,550.34
71,041.34	1,626.10	388,825.29	744.11	6,210.21	93,742.27	25,001.85
114,036.14	137,609.79	994,406.11	42,776.20	25,963.13	147,149.79	97,552.19
	36,750.00		4,305.78			
	1,468.52	1,058.51	53.67	274.53	4,498.93	3,992.32
					1,073.77	
10.00	252.00	6,816.96		258.00		774.83
10.00	37,470.52	7,875.47	4,359.45	532.53	5,572.70	4,767.15
71,041.34	1,626.10	388,825.29	744.11	6,210.21	93,742.27	25,001.85
		421.85				
71,041.34	1,626.10	389,247.14	744.11	6,210.21	93,742.27	25,001.85
5,000.00	30,750.00	65,365.68	5,694.22	7,500.00	5,536.66	37,500.00
37,984.80	67,763.17	531,917.82	31,978.42	11,720.39	42,298.16	30,283.19
42,984.80	98,513.17	597,283.50	37,672.64	19,220.39	47,834.82	67,783.19
114,036.14	137,609.79	994,406.11	42,776.20	25,963.13	147,149.79	97,552.19

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Beaverton	Beeton	Belle River	Belleville	Blenheim
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....	299.50		3,241.50	45,905.53	14,874.79
Substation equipment.....				191,186.85	1,264.64
Distribution system, overhead....	28,269.47	19,231.53	33,675.09	254,885.75	70,399.00
Distribution system, underground.					
Line transformers.....	17,376.12	5,934.51	11,778.18	109,356.94	43,228.37
Meters.....	10,442.79	4,672.43	9,486.79	127,684.17	23,548.09
Street light equipment, regular....	3,059.88	3,817.30	3,454.84	56,416.68	9,219.29
Miscellaneous construction expense	227.82	263.64	1,711.17	21,682.67	193.70
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....					
Total plant.....	59,675.58	33,919.41	63,347.57	807,118.59	162,727.88
Less reserve for depreciation.....	20,101.93	5,658.14	16,179.56	138,880.37	23,486.34
	39,573.65	28,261.27	47,168.01	668,238.22	139,241.54
Bank and cash balance.....	2,920.65	3,548.78	815.70	23,927.44	5,281.97
Securities and investments.....	7,200.00	1,000.00	2,000.00	85,000.00	4,000.00
Accounts receivable.....	242.79	31.80	703.18	30,920.57	931.22
Inventories.....	170.71	12.60		35,274.68	2,254.44
Sinking fund on local debentures.					
Other assets.....	700.00	50.00	10.56		136.83
Frequency standardization expenditure in suspense.....					
	50,807.80	32,904.45	50,697.45	843,360.91	151,846.00
Equity in H-E.P.C. systems.....	44,357.56	31,918.40	27,346.84	496,628.63	86,662.90
Total.....	95,165.36	64,822.85	78,044.29	1,339,989.54	238,508.90
LIABILITIES					
Debenture balance.....					30,000.00
Accounts payable.....	382.37	3,135.74	5,604.88		
Bank overdraft.....					
Other liabilities.....	433.32	150.00	435.00	21,462.47	315.00
Total liabilities.....	815.69	3,285.74	6,039.88	21,462.47	30,315.00
RESERVES					
For equity in H-E.P.C. systems...	44,357.56	31,918.40	27,346.84	496,628.63	86,662.90
Other reserves.....	400.00	86.50		4,648.88	1,836.08
	44,757.56	32,004.90	27,346.84	501,277.51	88,498.98
SURPLUS					
Debentures paid.....	12,839.34	13,610.31	8,500.00	174,997.19	14,000.00
Local sinking fund.....					
Operating surplus.....	36,752.77	15,921.90	36,157.57	642,252.37	105,694.92
Net frequency standardization expense charged this year.....					
Total surplus.....	49,592.11	29,532.21	44,657.57	817,249.56	119,694.92
Total.....	95,165.36	64,822.85	78,044.29	1,339,989.54	238,508.90

Utilities as at December 31, 1952

Bloomfield	Blyth	Bobcaygeon	Bolton	Bothwell	Bowmanville	Bradford
\$	\$	\$	\$	\$	\$	\$
		740.00			62,225.01	5,710.06
12,523.11	16,519.60	33,763.10	20,223.47	12,703.96	137,407.63	48,104.14
3,890.71	10,195.96	12,938.53	16,362.35	9,823.45	34,649.00	25,225.42
4,661.55	5,115.20	12,259.21	8,410.93	5,663.73	38,447.36	15,737.38
3,437.51	1,579.68	6,563.98	1,104.91	4,764.50	12,354.16	5,765.55
	312.95	805.76	19.04	83.82	10,099.97	2,141.55
		75,000.00				
24,512.88	33,723.39	142,070.58	46,120.70	33,039.46	389,925.56	102,684.10
11,739.57	8,018.91	40,988.81	8,317.36	9,707.21	97,460.62	15,191.41
12,773.31	25,704.48	101,081.77	37,803.34	23,332.25	292,464.94	87,492.69
2,795.79	1,372.27	7,493.26	2,987.27	1,118.94	1,314.12	19,387.09
23,000.00	8,000.00			8,000.00	75,000.00	2,500.00
311.53	164.37	7,124.53	393.88	757.25	2,489.20	405.21
		2,864.89	353.00		19,176.96	4,954.45
			10.00		669.49	256.00
	4,702.77					
38,880.63	39,943.89	118,564.45	41,547.49	33,208.44	391,114.71	114,995.44
16,018.51	24,185.52	4,639.23	38,480.63	35,079.62	193,012.16	43,596.09
54,899.14	64,129.41	123,203.68	80,028.12	68,288.06	584,126.87	158,591.53
		25,072.23				
	436.80	1,241.37		3,940.82	349.55	614.45
256.00	158.79	650.00	316.39	100.95	2,143.47	1,257.44
256.00	595.59	26,963.60	316.39	4,041.77	2,493.02	1,871.89
16,018.51	24,185.52	4,639.23	38,480.63	35,079.62	193,012.16	43,596.09
			70.60			29.88
16,018.51	24,185.52	4,639.23	38,551.23	35,079.62	193,012.16	43,625.97
9,796.58	16,032.52	64,927.77	12,500.00	5,534.19	71,000.00	23,351.06
28,828.05	23,315.78	26,673.08	28,660.50	23,632.48	317,621.69	89,742.61
38,624.63	39,348.30	91,600.85	41,160.50	29,166.67	388,621.69	113,093.67
54,899.14	64,129.41	123,203.68	80,028.12	68,288.06	584,126.87	158,591.53

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Braeside	Brampton	Brantford	Brantford Twp. (V.A.)	Brechin
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....		6,358.75	217,449.36	5,504.95	
Substation equipment.....		81,215.65	395,292.57	96,059.05	
Distribution system, overhead....	8,849.53	111,366.19	436,705.79	230,880.21	1,906.19
Distribution system, underground..			21,765.68		
Line transformers.....	3,560.34	107,995.02	404,421.40	106,768.57	2,389.12
Meters.....	2,794.18	61,048.91	272,431.36	76,284.26	1,370.41
Street light equipment, regular....	184.14	16,105.91	64,972.55	17,330.36	197.38
Miscellaneous construction expense		3,275.05	60,778.41	15,254.85	
Steam or hydraulic plant.....					
Old plant.....			6,000.00		
Other capital assets.....					
Total plant.....	15,388.19	387,365.48	1,879,817.12	548,082.25	5,863.10
Less reserve for depreciation.....	123.94	101,646.93	547,274.45	92,611.25	1,295.47
	15,264.25	285,718.55	1,332,542.67	455,471.00	4,567.63
Bank and cash balance.....	2,319.61	50.00	82,969.34	31,125.81	2,308.27
Securities and investments.....		31,500.00	33,000.00	25,000.00	9,000.00
Accounts receivable.....	1,134.30	3,372.50	63,347.66	3,122.60	99.11
Inventories.....		11,725.88	82,619.14	12,402.16	24.42
Sinking fund on local debentures..					
Other assets.....			8,120.46	517.00	60.00
Frequency standardization expenditure in suspense.....		445.74	11,823.14	2,235.00	
Equity in H-E.P.C. systems.....	18,718.16	332,812.67	1,614,422.41	529,873.57	16,059.43
	4,204.93	388,221.35	2,180,371.86	118,761.61	14,631.87
Total.....	22,923.09	721,034.02	3,794,794.27	648,635.18	30,691.30
LIABILITIES					
Debenture balance.....	4,143.36		150,000.00	193,689.93	
Accounts payable.....	1,053.75	2,604.34	17,800.00	1,833.26	363.32
Bank overdraft.....		12,047.88			
Other liabilities.....	135.00	3,065.00	34,081.35	2,939.61	40.00
Total liabilities.....	5,332.11	17,717.22	201,881.35	198,462.80	403.32
RESERVES					
For equity in H-E.P.C. systems....	4,204.93	388,221.35	2,180,371.86	118,761.61	14,631.87
Other reserves.....		578.23	9,351.79	1,573.60	3.93
	4,204.93	388,799.58	2,189,723.65	120,335.21	14,635.80
SURPLUS					
Debentures paid.....	1,856.64	69,050.64	530,000.00	93,435.73	2,664.00
Local sinking fund.....					
Operating surplus.....	11,529.41	245,466.58	873,189.27	236,401.44	12,988.18
Net frequency standardization expense charged this year.....					
Total surplus.....	13,386.05	314,517.22	1,403,189.27	329,837.17	15,652.18
Total.....	22,923.09	721,034.02	3,794,794.27	648,635.18	30,691.30

Utilities as at December 31, 1952

Bridgeport	Brigden	Brighton	Brockville	Bronte	Brussels	Burford
\$	\$	\$	\$	\$	\$	\$
.....	1,482.03	600.00	70,673.24	.....	.....	802.00
23,572.48	12,925.36	37,832.66	197,295.22	.....	.....	.....
.....	.....	.....	119,797.78	29,904.14	26,245.00	17,511.50
11,079.49	5,602.07	15,429.69	101,463.28	13,443.20	12,132.01	12,258.49
7,562.34	5,195.14	13,541.29	78,443.95	9,083.70	7,087.66	8,286.64
3,274.60	509.23	1,721.34	52,252.12	2,226.00	1,819.64	1,673.53
38.16	48.82	905.18	4,244.02	427.95	151.52	296.36
.....
.....
45,527.07	25,762.65	70,030.16	624,169.61	55,084.99	47,435.83	40,828.52
12,575.11	6,680.80	10,401.66	150,947.83	10,533.58	4,041.61	9,271.64
32,951.96	19,081.85	59,628.50	473,221.78	44,551.41	43,394.22	31,556.88
1,763.32	3,705.60	331.74	12,118.43	.....	5,938.28	.....
.....	5,500.00	10,000.00	12,000.00	.....	.....	4,000.00
519.12	125.61	716.45	14,568.66	1,045.76	395.90	680.27
.....	.....	4,199.67	8,047.65	1,168.25	.....	285.10
60.00	.....	.....	453.61	.....	.....	78.00
192.47	.....	.....	.....	.....	4,817.82	.....
35,486.87	28,413.06	74,876.36	520,410.13	46,765.42	54,546.22	36,600.25
18,392.61	24,850.35	35,294.94	459,598.28	.....	30,913.56	33,038.01
53,879.48	53,263.41	110,171.30	980,008.41	46,765.42	85,459.78	69,638.26
.....
804.63	28.64	139.12	2,164.90	2,250.43	27.80	782.40
250.00	40.00	1,025.39	7,448.19	450.46	.....	248.22
.....	.....	.....	.....	288.00	101.55	136.30
1,054.63	68.64	1,164.51	9,613.09	2,988.89	129.35	1,166.92
18,392.61	24,850.35	35,294.94	459,598.28	.....	30,913.56	33,038.01
.....	97.24	.....	2,532.89	100.00	.....	.....
18,392.61	24,947.59	35,294.94	462,131.17	100.00	30,913.56	33,038.01
12,368.03	8,000.00	25,000.00	174,869.92	.....	21,000.00	9,000.00
22,064.21	20,247.18	48,711.85	333,394.23	43,676.53	33,416.87	26,433.33
.....
34,432.24	28,247.18	73,711.85	508,264.15	43,676.53	54,416.87	35,433.33
53,879.48	53,263.41	110,171.30	980,008.41	46,765.42	85,459.78	69,638.26

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Burgess- ville	Burks Falls	Burlington	Caledonia	Campbell- ville
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....			24,153.58	810.04	
Substation equipment.....					
Distribution system, overhead....	6,386.43	30,905.61	165,264.58	32,711.89	3,604.75
Distribution system, underground..					
Line transformers.....	5,167.85	13,720.83	78,146.98	21,621.34	2,866.81
Meters.....	1,695.23	3,781.84	47,600.15	13,546.67	1,428.10
Street light equipment, regular....	261.02	3,129.50	9,923.74	4,541.30	744.58
Miscellaneous construction expense	20.00	1,117.88	19,258.54	3,289.94	
Steam or hydraulic plant.....					
Old plant.....		5,478.48			
Other capital assets.....					
Total plant.....	13,530.53	58,134.14	344,347.57	76,521.18	8,644.24
Less reserve for depreciation.....	5,271.59	3,834.00	25,710.47	11,440.04	2,846.41
	8,258.94	54,300.14	318,637.10	65,081.14	5,797.83
Bank and cash balance.....	2,000.56	664.60	68,478.26	2,244.12	1,108.49
Securities and investments.....	2,800.00		2,600.00	200.00	3,600.00
Accounts receivable.....	44.67	745.22	4,352.61	595.12	196.19
Inventories.....		85.20	24,201.40	2,456.28	
Sinking fund on local debentures..					
Other assets.....	110.00			50.00	
Frequency standardization expendi- ture in suspense.....	39.00		390.00		43.00
	13,253.17	55,795.16	418,659.37	70,626.66	10,745.51
Equity in H-E.P.C. systems.....	11,855.61	945.23	40,385.63	51,903.55	6,908.92
Total.....	25,108.78	56,740.39	459,045.00	122,530.21	17,654.43
LIABILITIES					
Debenture balance.....		29,365.69	181,168.66	3,000.00	
Accounts payable.....	128.26	5,928.64	60.90	1,810.14	77.84
Bank overdraft.....					
Other liabilities.....	10.00	15.00	7,380.44	560.69	
Total liabilities.....	138.26	35,309.33	188,610.00	5,370.83	77.84
RESERVES					
For equity in H-E.P.C. systems...	11,855.61	945.23	40,385.63	51,903.55	6,908.92
Other reserves.....					
	11,855.61	945.23	40,385.63	51,903.55	6,908.92
SURPLUS					
Debentures paid.....	3,500.00	5,634.31	79,331.34	6,624.00	5,447.77
Local sinking fund.....					
Operating surplus.....	9,614.91	14,851.52	150,718.03	58,631.83	5,219.90
Net frequency standardization ex- pense charged this year.....					
Total surplus.....	13,114.91	20,485.83	230,049.37	65,255.83	10,667.67
Total.....	25,108.78	56,740.39	459,045.00	122,530.21	17,654.43

Utilities as at December 31, 1952

Cannington	Cardinal	Carleton Place	Cayuga	Chatham	Chatsworth	Chesley
\$	\$	\$	\$	\$	\$	\$
.....	.....	13,390.32	.....	389,663.53	364.89	6,000.00
.....	.....	16,415.55	.....	266,643.68	.....	2,305.58
19,237.36	21,174.73	60,177.74	29,450.70	345,594.27	7,352.60	41,151.24
.....	.....	.....	.....	192,417.73	.....	.....
11,092.75	11,600.61	27,289.07	11,384.46	216,808.58	4,738.88	20,034.48
8,119.37	7,181.36	29,843.18	7,535.58	137,493.33	3,664.63	14,277.65
4,174.07	1,312.08	7,853.79	2,578.84	52,523.73	3,746.72	5,509.64
.....	36.82	674.55	1,140.12	72,286.59	36.36	1,446.74
.....
.....
42,623.55	41,305.60	155,644.20	52,089.70	1,673,431.44	19,904.08	90,725.33
13,801.94	4,466.88	32,284.26	9,751.80	313,383.55	4,535.35	22,657.34
.....
28,821.61	36,838.72	123,359.94	42,337.90	1,360,047.89	15,368.73	68,067.99
.....
1,091.42	1,770.85	5,924.83	3,121.60	50.00	2,608.27	15.00
9,000.00	1,500.00	39,500.00	20,200.00	50,000.00	1,000.00	6,000.00
483.16	263.82	3,185.27	1,146.63	95,894.18	96.05	350.77
582.80	.....	6,612.15	250.79	53,923.28	.....	340.90
.....
441.14	.....	.....	55.00	141.07	.....	.....
.....
.....
40,420.13	40,373.39	178,582.19	67,111.92	1,560,056.42	19,073.05	75,274.66
33,898.58	20,920.05	185,117.70	24,023.00	919,783.82	11,551.64	81,371.31
.....
74,318.71	61,293.44	363,699.89	91,134.92	2,479,840.24	30,624.69	156,645.97
.....
.....	.....	.....	.....	416,403.70	.....	.....
676.71	2,364.16	.....	453.15	.....	713.06	213.70
.....	.....	.....	.....	177,999.09	.....	64.11
35.00	.....	2,106.06	515.43	10,067.12	119.23	.....
.....
711.71	2,364.16	2,106.06	968.58	604,469.91	832.29	277.81
.....
33,898.58	20,920.05	185,117.70	24,023.00	919,783.82	11,551.64	81,371.31
76.05	.....	669.94	149.06	53,524.30	.....	.....
.....
33,974.63	20,920.05	185,787.64	24,172.06	973,308.12	11,551.64	81,371.31
.....
14,532.42	11,014.20	58,116.83	20,000.00	453,596.30	5,014.10	24,410.34
25,099.95	26,995.03	117,689.36	45,994.28	450,252.88	13,226.66	50,586.51
.....	.....	.....	.....	1,786.97	.....	.....
.....
39,632.37	38,009.23	175,806.19	65,994.28	902,062.21	18,240.76	74,996.85
.....
74,318.71	61,293.44	363,699.89	91,134.92	2,479,840.24	30,624.69	156,645.97

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Chester- ville	Chippawa	Clifford	Clinton	Cobden
	\$	\$	\$	\$	\$
ASSETS					
Lands and buildings.....	3,360.25	1,434.46		10,164.94	
Substation equipment.....				33,957.61	
Distribution system, overhead.....	16,733.52	27,235.73	12,619.28	38,152.73	17,299.58
Distribution system, underground.....					
Line transformers.....	9,976.64	13,220.62	5,848.20	26,926.64	7,222.99
Meters.....	8,673.33	10,776.71	3,928.00	17,737.67	5,714.45
Street light equipment, regular.....	2,940.67	8,959.07	2,317.55	5,879.49	2,459.52
Miscellaneous construction expense	665.53	356.45	1,255.69	4,419.57	59.85
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....					
Total plant.....	42,349.94	61,983.04	25,968.72	137,238.65	32,756.39
Less reserve for depreciation.....	9,086.98	16,885.88	6,738.30	33,498.35	1,444.10
	33,262.96	45,097.16	19,230.42	103,740.30	31,312.29
Bank and cash balance.....	4,643.27	1,450.53	2,751.29	25.00	11,064.95
Securities and investments.....	10,000.00	4,500.00	1,000.00	4,500.00	
Accounts receivable.....	137.53	125.00	85.66	811.77	202.84
Inventories.....		124.38		3,904.35	
Sinking fund on local debentures.....					
Other assets.....	1,175.74	0.54	17.00	98.67	3,063.30
Frequency standardization expendi- ture in suspense.....				27,514.79	
	49,219.50	51,297.61	23,084.37	140,594.88	45,643.38
Equity in H-E.P.C. systems.....	56,532.99	38,535.96	18,010.52	107,511.11	9,061.73
Total.....	105,752.49	89,833.57	41,094.89	248,105.99	54,705.11
LIABILITIES					
Debenture balance.....			1,016.34	28,500.00	
Accounts payable.....	2,212.90	100.00	862.01	849.50	182.36
Bank overdraft.....				146.50	
Other liabilities.....	50.00	900.00	5.00	1,696.27	93.50
Total liabilities.....	2,262.90	1,000.00	1,883.35	31,192.27	275.86
RESERVES					
For equity in H-E.P.C. systems...	56,532.99	38,535.96	18,010.52	107,511.11	9,061.73
Other reserves.....				433.09	
	56,532.99	38,535.96	18,010.52	107,944.20	9,061.73
SURPLUS					
Debentures paid.....	5,889.32	13,350.00	6,983.66	46,000.00	4,949.42
Local sinking fund.....					
Operating surplus.....	41,067.28	36,947.61	14,217.36	62,969.52	40,418.10
Net frequency standardization ex- pense charged this year.....					
Total surplus.....	46,956.60	50,297.61	21,201.02	108,969.52	45,367.52
Total.....	105,752.49	89,833.57	41,094.89	248,105.99	54,705.11

Utilities as at December 31, 1952

Cobourg	Colborne	Coldwater	Collingwood	Comber	Cookstown	Cottam
\$	\$	\$	\$	\$	\$	\$
32,227.73		275.00	20,235.07	498.22	70.00	475.63
1,668.35			23,179.35			
158,499.87	16,879.86	17,165.85	101,641.54	15,697.22	20,882.04	13,434.50
57,031.85	6,924.42	9,502.26	61,957.97	11,547.44	4,704.88	6,215.60
56,762.61	7,201.53	6,321.86	49,888.82	4,831.23	4,317.29	4,076.73
44,150.41	3,684.38	3,850.48	24,559.62	1,302.22	1,543.85	1,164.58
10,717.71	3,141.53	151.71	7,149.96	404.95	236.01	127.12
361,058.53	37,831.72	37,267.16	288,612.33	34,281.28	31,754.07	25,494.16
91,526.44	4,326.03	9,112.21	64,636.80	5,653.38	3,046.60	7,550.86
269,532.09	33,505.69	28,154.95	223,975.53	28,627.90	28,707.47	17,943.30
3,376.02	1,921.31	5,160.32	3,125.01	2,838.06	6,076.53	6,210.20
20,000.00	5,000.00	8,500.00	15,000.00			3,000.00
17,670.45	2,805.73	1,744.39	3,432.38	77.40	14.00	6.94
14,794.77	5,743.50		8,711.87	16.70		
2,677.93		100.00	3,447.84			15.00
						6.00
328,051.26	48,976.23	43,659.66	257,692.63	31,560.06	34,798.00	27,181.44
156,960.43	16,071.94	29,951.18	309,156.40	37,269.19	12,783.89	11,565.21
485,011.69	65,048.17	73,610.84	566,849.03	68,829.25	47,581.89	38,746.65
12.65	384.90	1,580.85	2,601.84	4,731.07	466.66	10.00
6,382.53	448.00	140.37	4,445.82	88.23	149.25	171.59
6,395.18	832.90	1,721.22	7,047.66	4,819.30	615.91	181.59
156,960.43	16,071.94	29,951.18	309,156.40	37,269.19	12,783.89	11,565.21
		46.00	300.00	25.38		37.95
156,960.43	16,071.94	29,997.18	309,456.40	37,294.57	12,783.89	11,603.16
105,993.50	12,194.59	6,867.47	38,183.42	7,968.93	12,000.85	9,000.22
215,662.58	35,948.74	35,024.97	212,161.55	18,746.45	22,181.24	17,961.68
321,656.08	48,143.33	41,892.44	250,344.97	26,715.38	34,182.09	26,961.90
485,011.69	65,048.17	73,610.84	566,849.03	68,829.25	47,581.89	38,746.65

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Court- right	Creemore	Dashwood	Delaware	Delhi
ASSETS	\$	\$	\$	\$	\$
Lands and buildings					2,786.04
Substation equipment					
Distribution system, overhead	10,278.12	12,943.95	5,178.46	8,784.89	57,399.60
Distribution system, underground					
Line transformers	3,720.24	7,416.77	6,500.17	2,038.95	35,232.56
Meters	2,752.34	5,937.15	3,864.72	2,399.44	24,747.76
Street light equipment, regular	2,049.86	2,580.94	364.52	412.31	9,278.20
Miscellaneous construction expense		135.00		73.08	8,211.49
Steam or hydraulic plant					
Old plant					28,518.74
Other capital assets					
Total plant	18,800.56	29,013.81	15,907.87	13,708.67	166,174.39
Less reserve for depreciation	1,042.41	4,917.31	2,448.81	511.00	24,998.79
	17,758.15	24,096.50	13,459.06	13,197.67	141,175.60
Bank and cash balance	696.83	3,345.83	3,084.32	860.47	17,299.99
Securities and investments		5,000.00			18,500.00
Accounts receivable	279.26	515.86	62.80	498.91	753.57
Inventories		60.25		1,576.33	11,278.00
Sinking fund on local debentures					
Other assets		90.64			1,773.65
Frequency standardization expenditure in suspense					5.35
	18,734.24	33,109.08	16,606.18	16,133.38	190,786.16
Equity in H-E.P.C. systems	12,555.69	25,667.08	19,463.73	8,700.17	31,752.15
Total	31,289.93	58,776.16	36,069.91	24,833.55	222,538.31
LIABILITIES					
Debenture balance					35,724.60
Accounts payable		263.26	354.90	883.66	
Bank overdraft					
Other liabilities	275.00	241.50		40.00	2,353.13
Total liabilities	275.00	504.76	354.90	923.66	38,077.73
RESERVES					
For equity in H-E.P.C. systems	12,555.69	25,667.08	19,463.73	8,700.17	31,752.15
Other reserves	5.24	54.53		22.53	31.22
	12,560.93	25,721.61	19,463.73	8,722.70	31,783.37
SURPLUS					
Debentures paid	8,138.35	2,823.61	3,400.00	4,000.00	49,275.40
Local sinking fund					
Operating surplus	10,315.65	29,726.18	13,959.34	11,246.89	103,401.81
Net frequency standardization expense charged this year			1,108.06	59.70	
Total surplus	18,454.00	32,549.79	16,251.28	15,187.19	152,677.21
Total	31,289.93	58,776.16	36,069.91	24,833.55	222,538.31

Utilities as at December 31, 1952

Deseronto	Dorchester	Drayton	Dresden	Drumbo	Dublin	Dundalk
\$	\$	\$	\$	\$	\$	\$
1,322.41			33,944.94			2,542.33
161.18			523.00			
25,081.50	15,807.35	12,826.61	41,989.67	7,158.79	7,425.97	13,730.02
18,013.30	7,681.16	9,364.06	16,281.64	4,844.58	4,437.86	7,891.71
9,856.70	6,404.43	4,607.83	15,793.95	3,391.42	2,204.30	5,653.75
3,715.24	3,505.01	2,158.26	2,126.68	505.64	659.43	2,770.66
2,006.26	89.15	471.60	3,817.98			765.22
60,156.59	33,487.10	29,428.36	114,477.86	15,900.43	14,727.56	33,353.69
16,551.92	5,844.18	9,257.54	6,233.02	8,242.71	7,556.94	8,061.12
43,604.67	27,642.92	20,170.82	108,244.84	7,657.72	7,170.62	25,292.57
7,848.36	88.64	6,348.33	4,174.28	5,725.46	7,636.08	745.89
6,000.00	1,700.00	6,000.00	1,000.00	8,500.00	1,300.00	13,500.00
4,860.79	1,301.26	414.14	2,495.12	704.90	128.44	306.01
7,585.96	15.62		8,372.70	31.19		
		32.50	318.16			
		78.00	3,229.68	78.00	1,639.65	
69,899.78	30,748.44	33,043.79	127,834.78	22,697.27	17,874.79	39,844.47
22,263.35	17,327.73	28,328.85	74,156.61	15,399.33	11,936.20	29,612.17
92,163.13	48,076.17	61,372.64	201,991.39	38,096.60	29,810.99	69,456.64
462.26	783.24	43.49	18,489.05			
	1,700.00		789.59	495.80	537.55	175.31
625.56	53.22	30.00	633.00	90.00	8.00	
1,087.82	2,536.46	73.49	19,911.64	585.80	545.55	175.31
22,263.35	17,327.73	28,328.85	74,156.61	15,399.33	11,936.20	29,612.17
			582.44			
22,263.35	17,327.73	28,328.85	74,739.05	15,399.33	11,936.20	29,612.17
15,000.00	4,300.00	9,500.00	12,934.19	4,500.00	6,200.00	5,727.27
53,811.96	24,980.79	23,470.30	94,406.51	17,611.47	11,129.24	33,941.89
	1,068.81					
68,811.96	28,211.98	32,970.30	107,340.70	22,111.47	17,329.24	39,669.16
92,163.13	48,076.17	61,372.64	201,991.39	38,096.60	29,810.99	69,456.64

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Dundas	Dunnville	Durham	Dutton
ASSETS	\$	\$	\$	\$
Lands and buildings	22,277.88	7,323.56	211.28	75.11
Substation equipment.....	38,563.62	41,144.20		
Distribution system, overhead.....	108,154.71	62,405.13	31,653.32	13,230.80
Distribution system, underground.....				
Line transformers.....	52,571.49	40,687.15	23,496.50	8,306.56
Meters.....	48,670.27	36,477.03	13,898.08	4,835.07
Street light equipment, regular.....	16,841.64	12,962.55	4,212.32	2,621.20
Miscellaneous construction expense..	8,665.50	4,655.93	3,038.17	205.70
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....	*1,534.00			
Total plant.....	297,279.11	205,655.55	76,509.67	29,274.44
Less reserve for depreciation.....	96,109.62	62,485.07	15,557.07	11,055.20
	201,169.49	143,170.48	60,952.60	18,219.24
Bank and cash balance.....	3,792.20	70.00	8,084.12	4,258.09
Securities and investments.....	13,000.00	20,000.00	2,000.00	7,000.00
Accounts receivable.....	4,147.29	4,052.91	1,060.15	415.54
Inventories.....		12,336.16	146.23	
Sinking fund on local debentures.....				
Other assets.....	487.09	444.59		1.46
Frequency standardization expenditure in suspense.....	1,085.00	368.00		
	223,681.07	180,442.14	72,243.10	29,894.33
Equity in H-E.P.C. systems.....	323,213.79	150,976.91	66,571.53	42,212.41
Total.....	546,894.86	331,419.05	138,814.63	72,106.74
LIABILITIES				
Debenture balance.....				
Accounts payable.....	1,421.08	1,238.66	238.32	3,233.90
Bank overdraft.....		9,995.63		
Other liabilities.....	10,975.30	3,539.61	98.00	157.36
Total liabilities.....	12,396.38	14,773.90	336.32	3,391.26
RESERVES				
For equity in H-E.P.C. systems.....	323,213.79	150,976.91	66,571.53	42,212.41
Other reserves.....	55.96			
	323,269.75	150,976.91	66,571.53	42,212.41
SURPLUS				
Debentures paid.....	53,000.00	75,500.00	25,323.97	8,407.49
Local sinking fund.....				
Operating surplus.....	158,228.73	90,168.24	46,582.81	18,095.58
Net frequency standardization expense charged this year.....				
Total surplus.....	211,228.73	165,668.24	71,906.78	26,503.07
Total.....	546,894.86	331,419.05	138,814.63	72,106.74

*Annexed plant undistributed.

Utilities as at December 31, 1952

East York Twp. (V.A.)	Eganville	Elmira	Elmvale	Elmwood (V.A.)	Elora	Embro
\$	\$	\$	\$	\$	\$	\$
187,304.69	8,758.00	43,957.20	156.25	1,709.66	4,678.36	.....
323,776.46	.....	44,393.01	2,273.07	.....	.....	.....
823,737.37	15,781.70	67,746.08	17,345.38	8,442.41	27,725.07	14,382.92
.....	.....	490.20	.....	.....	.....	.....
458,941.73	6,045.04	38,049.17	10,490.67	3,811.42	17,825.03	11,429.01
350,112.62	6,836.52	23,979.14	8,276.12	3,172.58	10,210.67	4,203.27
130,616.97	1,883.94	5,233.98	6,370.19	1,354.87	2,551.98	606.45
67,374.18	3,062.58	5,115.97	11.56	.....	1,309.55	756.59
.....	78,122.91	.....	.....	.....	.....	.....
.....
2,341,864.02	119,990.69	228,964.75	44,923.24	18,490.94	64,300.66	31,378.24
220,532.57	18,240.48	44,205.05	7,580.91	3,243.32	21,451.21	8,794.22
2,121,331.45	101,750.21	184,759.70	37,342.33	15,247.62	42,849.45	22,584.02
23,745.45	4,385.42	21,089.18	3,158.78	2,667.91	616.20	4,058.53
.....	.....	.....	1,500.00	2,600.00	7,500.00	3,500.00
83,580.35	3,115.50	2,695.37	528.65	726.10	573.70	124.38
23,387.52	107.09	.....	.....	.....	189.42	.....
.....
402.38	.....	1,004.16	.....	.....	40.00	.....
.....	.....	3,857.54	.....	.....	.....	.....
2,252,447.15	109,358.22	213,405.95	42,529.76	21,241.63	51,768.77	30,266.93
814,333.08	.....	174,923.84	31,729.04	10,396.31	80,322.38	24,875.76
3,066,780.23	109,358.22	388,329.79	74,258.80	31,637.94	132,091.15	55,142.69
.....
672,000.00	81,715.62	.....	.....	.....	.....	.....
193,711.18	783.13	588.12	394.86	221.50	528.31	168.74
.....
13,882.72	6.81	1,129.05	.....	105.00	415.00	20.38
879,593.90	82,505.56	1,717.17	394.86	326.50	943.31	189.12
814,333.08	.....	174,923.84	31,729.04	10,396.31	80,322.38	24,875.76
9,571.11	.....	.....	3.68	.....	.....	.....
823,904.19	.....	174,923.84	31,732.72	10,396.31	80,322.38	24,875.76
407,763.36	18,284.38	37,168.50	6,544.07	6,106.38	13,000.00	7,500.00
955,518.78	8,568.28	174,520.28	35,587.15	14,808.75	37,825.46	22,577.81
.....
1,363,282.14	26,852.66	211,688.78	42,131.22	20,915.13	50,825.46	30,077.81
3,066,780.23	109,358.22	388,329.79	74,258.80	31,637.94	132,091.15	55,142.69

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Erieau	Erie Beach	Erin	Essex	Etobicoke Twp. (V.A.)
	\$	\$	\$	\$	\$
ASSETS					
Lands and buildings.....				11,913.64	263,885.82
Substation equipment.....					394,593.35
Distribution system, overhead.....	33,183.61	5,238.63	17,500.17	67,485.68	1,393,506.97
Distribution system, underground.....				442.55	
Line transformers.....	18,807.96	2,849.82	4,087.74	34,723.67	620,099.27
Meters.....	6,135.81	1,823.88	2,642.38	20,555.19	441,727.27
Street light equipment, regular.....	961.55	306.37	927.75	3,471.36	176,511.14
Miscellaneous construction expense.....			501.23	5,142.82	234,177.99
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....					
Total plant.....	59,088.93	10,218.70	25,659.27	143,734.91	3,524,501.81
Less reserve for depreciation.....	2,927.36	663.23	2,799.27	38,128.46	225,333.61
	56,161.57	9,555.47	22,860.00	105,606.45	3,299,168.20
Bank and cash balance.....		311.67	4,749.24	2,515.71	264,870.81
Securities and investments.....	1,000.00				7,000.00
Accounts receivable.....	144.12	145.47	196.59	1,716.42	73,684.64
Inventories.....				7,012.11	69,578.20
Sinking fund on local debentures.....					
Other assets.....	1,147.50			23.92	2,185.10
Frequency standardization expenditure in suspense.....				12.00	
	58,453.19	10,012.61	27,805.83	116,886.61	3,716,486.95
Equity in H-E.P.C. systems.....	18,545.82	3,849.83	920.84	77,547.45	748,725.31
Total.....	76,999.01	13,862.44	28,726.67	194,434.06	4,465,212.26
LIABILITIES					
Debenture balance.....			13,050.00	2,858.34	2,569,000.00
Accounts payable.....	25.00	500.00	42.02	200.00	5,000.00
Bank overdraft.....	11,681.69				
Other liabilities.....	50.00	147.50	250.00	725.00	31,006.55
Total liabilities.....	11,756.69	647.50	13,342.02	3,783.34	2,605,006.55
RESERVES					
For equity in H-E.P.C. systems.....	18,545.82	3,849.83	920.84	77,547.45	748,725.31
Other reserves.....	37.41	18.90		373.37	72,300.79
	18,583.23	3,868.73	920.84	77,920.82	821,026.10
SURPLUS					
Debentures paid.....	6,883.13	3,300.00	1,450.00	19,641.66	361,695.40
Local sinking fund.....					
Operating surplus.....	39,775.96	6,046.21	13,013.81	93,088.24	864,383.00
Net frequency standardization expense charged this year.....					186,898.79
Total surplus.....	46,659.09	9,346.21	14,463.81	112,729.90	1,039,179.61
Total.....	76,999.01	13,862.44	28,726.67	194,434.06	4,465,212.26

Utilities as at December 31, 1952

Exeter	Fergus	Finch	Flesherton	Fonthill	Forest	Forest Hill
\$	\$	\$	\$	\$	\$	\$
9,954.19	2,442.52		430.00		6,576.61	52,742.79
	27,539.89					220,210.27
58,967.35	50,570.27	10,758.61	12,156.93	26,284.82	28,359.40	274,738.90
						8,783.56
32,094.27	37,250.97	6,564.25	5,714.67	14,061.30	22,730.60	193,562.40
21,566.84	25,562.35	3,728.88	4,397.91	12,422.81	17,372.96	94,130.12
5,834.34	9,984.17	1,776.84	1,586.58	4,651.94	7,314.99	17,072.25
5,479.90	1,399.21	193.09	428.77	3,452.51	4,264.98	24,735.38
133,896.89	154,749.38	23,021.67	24,714.86	60,873.38	86,619.54	885,975.67
32,118.21	31,245.72	4,209.40	4,794.26	9,447.05	28,830.70	252,545.15
101,778.68	123,503.66	18,812.27	19,920.60	51,426.33	57,788.84	633,430.52
2,314.38	12,300.46	1,842.27	1,911.33	3,263.70	5,729.22	26,720.68
		6,000.00	11,000.00		33,510.00	74,000.00
2,209.93	1,562.63	94.92	25.22	440.90	3,515.64	11,998.40
3,202.93	1,402.95			33.50	2,112.97	23,780.31
106.22	204.08	4,198.67			50.95	
	240.00					7,846.57
109,612.14	139,213.78	30,948.13	32,857.15	55,164.43	102,707.62	777,776.48
101,911.87	157,703.20	11,604.69	14,043.19	19,192.93	81,888.54	504,376.25
211,524.01	296,916.98	42,552.82	46,900.34	74,357.36	184,596.16	1,282,152.73
784.52	19.13	1,119.12	428.18	3,200.00 4,648.16	162.71	100,983.25 5,211.04
1,531.07	1,025.88	225.95	92.00		96.86	19,471.89
2,315.59	1,045.01	1,345.07	520.18	7,848.16	259.57	125,666.18
101,911.87	157,703.20	11,604.69	14,043.19	19,192.93	81,888.54	504,376.25
60.16	177.40				85.89	157.77
101,972.03	157,880.60	11,604.69	14,043.19	19,192.93	81,974.43	504,534.02
20,000.05	42,000.00	7,000.00	5,830.88	23,300.00	23,357.13	261,798.35
95,099.98	95,991.37	22,603.06	26,506.09	24,016.27	84,807.73	390,154.18
7,863.64					5,802.70	
107,236.39	137,991.37	29,603.06	32,336.97	47,316.27	102,362.16	651,952.53
211,524.01	296,916.98	42,552.82	46,900.34	74,357.36	184,596.16	1,282,152.73

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Frankford	Galt	Georgetown	Glencoe
ASSETS	\$	\$	\$	\$
Lands and buildings.....		261,262.82	5,823.72	3,587.66
Substation equipment.....		323,964.87	18,491.00	
Distribution system, overhead.....	21,980.39	389,793.46	74,248.47	30,275.43
Distribution system, underground.....		4,230.40		
Line transformers.....	5,873.87	223,230.62	50,023.03	16,748.81
Meters.....	6,924.45	151,175.18	33,009.29	8,898.54
Street light equipment, regular.....	3,006.98	103,603.15	8,981.89	6,581.91
Miscellaneous construction expense..	147.12	42,937.92	5,560.69	1,994.35
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....		73,518.00		
Total plant.....	37,932.81	1,573,716.42	196,138.09	68,086.70
Less reserve for depreciation.....	4,566.85	509,065.06	45,527.88	15,816.10
	33,365.96	1,064,651.36	150,610.21	52,270.60
Bank and cash balance.....	21,080.10	350.00	686.83	5,192.66
Securities and investments.....			5,000.00	10,100.00
Accounts receivable.....	454.39	22,323.61	278.17	1,428.18
Inventories.....		82,895.59	12,409.51	926.69
Sinking fund on local debentures.....				
Other assets.....		12,739.04	157.50	7.98
Frequency standardization expenditure in suspense.....		33,281.50		
	54,900.45	1,216,241.10	169,142.22	69,926.11
Equity in H-E.P.C. systems.....	1,755.28	1,263,721.16	247,575.70	44,925.89
Total.....	56,655.73	2,479,962.26	416,717.92	114,852.00
LIABILITIES				
Debenture balance.....	14,000.00	95,000.00		
Accounts payable.....	6,677.69	79,212.40	506.40	727.11
Bank overdraft.....		6,017.72		
Other liabilities.....	655.00	10,250.58	7,242.92	340.00
Total liabilities.....	21,332.69	190,480.70	7,749.32	1,067.11
RESERVES				
For equity in H-E.P.C. systems.....	1,755.28	1,263,721.16	247,575.70	44,925.89
Other reserves.....		9,433.33	250.00	351.64
	1,755.28	1,273,154.49	247,825.70	45,277.53
SURPLUS				
Debentures paid.....	6,000.00	523,001.95	20,000.00	20,112.88
Local sinking fund.....				
Operating surplus.....	27,567.76	493,325.12	141,142.90	50,893.70
Net frequency standardization expense charged this year.....				2,499.22
Total surplus.....	33,567.76	1,016,327.07	161,142.90	68,507.36
Total.....	56,655.73	2,479,962.26	416,717.92	114,852.00

Utilities as at December 31, 1952

Goderich	Grand Valley	Granton	Gravenhurst	Grimsby	Guelph	Hagersville
\$	\$	\$	\$	\$	\$	\$
81,467.25	36.50		15,684.91		26,612.80	2,700.00
75,719.91			10,936.03		323,756.69	864.37
103,310.68	17,066.24	5,954.63	49,780.04	60,651.21	465,085.33	27,507.09
			1,941.77		28,847.47	
59,285.02	8,071.55	3,250.46	27,717.88	32,340.76	220,453.98	22,574.79
39,655.23	6,623.54	2,872.25	26,614.85	23,960.38	194,642.30	15,552.86
10,951.33	1,117.46	180.78	9,684.89	6,751.76	52,376.51	1,331.72
19,807.79		41.40	2,226.78		37,820.70	1,575.82
390,197.21	32,915.29	12,299.52	144,587.15	123,704.11	1,349,595.78	72,106.65
110,995.83	12,624.18	1,053.11	35,835.69	17,483.80	378,503.22	24,994.36
279,201.38	20,291.11	11,246.41	108,751.46	106,220.31	971,092.56	47,112.29
62,492.51	3,261.28	3,625.43	1,943.62	1,156.12	120,475.77	7,817.86
2,000.00	8,000.00		9,000.00	26,000.00	150,000.00	37,000.00
4,639.88	410.57	97.97	762.65	448.37	19,623.19	248.02
3,749.91			1,512.13	104.19	60,399.23	
669.68			225.43		202.82	220.66
32,861.12				355.00	10,671.52	
385,614.48	31,962.96	14,969.81	122,195.29	134,283.99	1,332,465.09	92,398.83
276,321.29	27,269.01	16,431.96	86,183.97	29,794.69	1,477,940.37	161,994.48
661,935.77	59,231.97	31,401.77	208,379.26	164,078.68	2,810,405.46	254,393.31
123,540.74		2,849.28			335,000.00	
10,135.87	1,708.41	730.36	1,026.37	1,618.80	54,719.22	581.00
4,794.77		50.00	1,281.50	2,118.99	12,057.52	575.00
138,471.38	1,708.41	3,629.64	2,307.87	3,737.79	401,776.74	1,156.00
276,321.29	27,269.01	16,431.96	86,183.97	29,794.69	1,477,940.37	161,994.48
626.11		60.00	447.53		17,022.92	
276,947.40	27,269.01	16,491.96	86,631.50	29,794.69	1,494,963.29	161,994.48
97,547.31	10,794.30	3,794.30	44,278.97	85,344.00	160,000.00	8,000.00
148,969.68	19,460.25	8,738.07	75,160.92	45,202.20	753,665.43	83,242.83
		1,252.20				
246,516.99	30,254.55	11,280.17	119,439.89	130,546.20	913,665.43	91,242.83
661,935.77	59,231.97	31,401.77	208,379.26	164,078.68	2,810,405.46	254,393.31

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Hamilton	Hanover	Harriston	Harrow
ASSETS	\$	\$	\$	\$
Lands and buildings.....	2,346,214.32	27,800.95	395.25	2,318.16
Substation equipment.....	3,849,339.73	9,311.19	25.00	
Distribution system, overhead.....	2,260,540.23	70,751.35	38,705.28	33,983.37
Distribution system, underground.....	1,417,732.14			
Line transformers.....	1,869,837.50	39,512.94	18,992.34	28,181.02
Meters.....	1,380,203.21	29,413.97	12,093.20	13,325.31
Street light equipment, regular.....	557,952.08	6,972.62	8,151.47	4,139.86
Miscellaneous construction expense..	146,155.39	7,403.64	2,401.49	96.57
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	13,827,974.60	191,166.66	80,764.03	82,044.29
Less reserve for depreciation.....	1,873,116.54	86,956.68	21,139.62	22,761.51
	11,954,858.06	104,209.98	59,624.41	59,282.78
Bank and cash balance.....	54,186.96	17,626.30	2,101.64	7,449.15
Securities and investments.....		98,856.32		13,700.00
Accounts receivable.....	605,562.31	1,552.89	5,729.38	1,017.56
Inventories.....	665,397.85	433.72	392.34	7,808.20
Sinking fund on local debentures.....				
Other assets.....	303,569.26	1,489.76	166.50	9.90
Frequency standardization expenditure in suspense.....	29,493.12		358.24	
	13,613,067.56	224,168.97	68,372.51	89,267.59
Equity in H-E.P.C. systems.....	*13,624,317.67	181,928.57	77,987.52	67,481.48
Total.....	27,237,385.23	406,097.54	146,360.03	156,749.07
LIABILITIES				
Debenture balance.....				
Accounts payable.....	940,781.46	75.64		4,346.37
Bank overdraft.....	179,260.48			
Other liabilities.....	49,643.75	1,387.00	295.01	735.00
Total liabilities.....	1,169,685.69	1,462.64	295.01	5,081.37
RESERVES				
For equity in H-E.P.C. systems.....	*13,624,317.67	181,928.57	77,987.52	67,481.48
Other reserves.....	239,522.78			128.85
	13,863,840.45	181,928.57	77,987.52	67,610.33
SURPLUS				
Debentures paid.....	6,185,275.19	80,162.29	25,818.03	12,000.00
Local sinking fund.....				
Operating surplus.....	6,019,688.78	142,544.04	42,259.47	72,057.37
Net frequency standardization expense charged this year.....	1,104.88			
Total surplus.....	12,203,859.09	222,706.33	68,077.50	84,057.37
Total.....	27,237,385.23	406,097.54	146,360.03	156,749.07

*Includes 1952 H-E.P.C. equity.

Utilities as at December 31, 1952

Hastings	Havelock	Hensall	Hespeler	Highgate	Holstein	Huntsville
\$	\$	\$	\$	\$	\$	\$
			17,651.31			353.52
			61,710.62			647.30
26,552.56	37,768.57	25,942.01	61,781.45	10,538.18	5,155.38	41,997.25
7,210.44	11,353.24	24,206.08	51,900.27	4,994.01	2,504.43	37,347.45
7,588.98	9,726.34	9,413.96	22,182.87	2,652.01	1,676.26	25,429.87
1,577.62	6,124.18	3,616.77	17,226.97	3,001.38	1,100.04	11,905.98
	433.40	353.74	13,280.68		36.58	2,346.04
42,929.60	65,405.73	63,532.56	245,734.17	21,185.58	10,472.69	120,027.41
13,555.58	8,945.60	14,667.51	30,319.07	7,175.91	1,414.00	20,179.75
29,374.02	56,460.13	48,865.05	215,415.10	14,009.67	9,058.69	99,847.66
3,921.96	5,535.70	668.12	47,916.11	998.73	514.44	25.00
8,000.00	10,000.00	2,000.00	10,000.00	3,000.00	2,000.00	
114.03	229.16	550.11	22,330.97	46.41	90.98	5,081.50
			833.06			13,146.60
		8.00	524.67			500.00
			2,305.00	38.33		
41,410.01	72,224.99	52,091.28	299,324.91	18,093.14	11,664.11	118,600.76
11,557.62	27,143.62	38,093.78	285,339.77	20,003.38	5,722.74	143,052.69
52,967.63	99,368.61	90,185.06	584,664.68	38,096.52	17,386.85	261,653.45
	28,500.00					
365.11	213.69	3,408.05	2,684.15	81.43		42.53
650.99	150.00	66.09	1,845.00	95.00	42.60	4,153.58
						1,114.73
1,016.10	28,863.69	3,474.14	4,529.15	176.43	42.60	5,310.84
11,557.62	27,143.62	38,093.78	285,339.77	20,003.38	5,722.74	143,052.69
			105.17			129.14
11,557.62	27,143.62	38,093.78	285,444.94	20,003.38	5,722.74	143,181.83
21,000.00	34,400.00	12,000.00	77,570.51	5,000.00	2,762.05	15,697.39
19,393.91	8,961.30	38,850.18	217,120.08	12,916.71	8,859.46	97,463.39
		2,233.04				
40,393.91	43,361.30	48,617.14	294,690.59	17,916.71	11,621.51	113,160.78
52,967.63	99,368.61	90,185.06	584,664.68	38,096.52	17,386.85	261,653.45

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Ingersoll	Iroquois	Jarvis	Kemptville
ASSETS	\$	\$	\$	\$
Lands and buildings.....	30,330.70	281.20		5,466.98
Substation equipment.....	106,062.10	100.00		
Distribution system, overhead.....	86,327.44	13,409.79	17,848.33	31,161.18
Distribution system, underground.....				
Line transformers.....	68,988.73	6,036.58	9,326.29	21,989.02
Meters.....	51,421.93	6,996.75	4,799.27	14,902.96
Street light equipment, regular.....	8,138.60	2,734.02	1,097.57	1,286.90
Miscellaneous construction expense..	4,808.50	489.24	117.12	2,014.14
Steam or hydraulic plant.....				
Old plant.....		575.00		
Other capital assets.....				
Total plant.....	356,078.00	30,622.58	33,188.58	76,821.18
Less reserve for depreciation.....	49,186.92	5,808.33	4,034.42	13,382.65
	306,891.08	24,814.25	29,154.16	63,438.53
Bank and cash balance.....	3,576.06	737.74	1,110.37	2,993.32
Securities and investments.....		8,000.00	10,000.00	6,000.00
Accounts receivable.....	5,402.07	236.69	248.37	4,524.89
Inventories.....	10,441.81	903.19		4,244.65
Sinking fund on local debentures.....				
Other assets.....	765.21		157.00	
Frequency standardization expenditure in suspense.....	294.00			
	327,370.23	34,691.87	40,669.90	81,201.39
Equity in H-E.P.C. systems.....	413,975.72	11,604.69	33,190.31	49,545.28
Total.....	741,345.95	46,296.56	73,860.21	130,746.67
LIABILITIES				
Debenture balance.....	77,382.42			
Accounts payable.....	5,372.31	119.46	441.60	239.33
Bank overdraft.....				
Other liabilities.....	3,592.35	641.76		575.02
Total liabilities.....	86,347.08	761.22	441.60	814.35
RESERVES				
For equity in H-E.P.C. systems.....	413,975.72	11,604.69	33,190.31	49,545.28
Other reserves.....	147.38			636.69
	414,123.10	11,604.69	33,190.31	50,181.97
SURPLUS				
Debentures paid.....	82,417.58		10,500.00	19,506.62
Local sinking fund.....				
Operating surplus.....	158,458.19	33,930.65	29,728.30	60,243.73
Net frequency standardization expense charged this year.....				
Total surplus.....	240,875.77	33,930.65	40,228.30	79,750.35
Total.....	741,345.95	46,296.56	73,860.21	130,746.67

Utilities as at December 31, 1952

Kincardine	Kingston	Kingsville	Kirkfield	Kitchener	Lakefield	Lambeth
\$	\$	\$	\$	\$	\$	\$
6,740.17	373,108.33	8,730.87		363,385.86	7,642.60	
7,512.39	429,727.16			701,284.54		
67,693.61	459,765.95	55,673.90	7,786.58	867,182.71	37,548.87	28,597.68
	385,104.98			300,927.60		
33,422.85	247,801.25	29,232.96	2,334.34	536,221.67	17,849.18	11,272.87
21,135.30	246,906.50	24,920.66	1,577.58	340,926.20	13,841.70	9,129.63
11,443.38	114,647.70	2,438.96	476.81	137,926.30	3,582.22	2,073.10
4,708.51	10,131.88	1,077.01		115,741.50	3,852.35	17.00
	31,293.09					
				186,578.00		
152,656.21	2,298,486.84	122,074.36	12,175.31	3,550,174.38	84,316.92	51,090.28
31,178.55	648,811.65	35,635.54	3,824.15	593,274.25	21,094.17	9,679.86
121,477.66	1,649,675.19	86,438.82	8,351.16	2,956,900.13	63,222.75	41,410.42
9,969.61	400.00	1,592.17	1,168.09	85,108.12	12,570.49	8,786.76
33,000.00	180,000.00	13,500.00	3,000.00	350,000.00	23,000.00	
32.66	108,342.39	3,711.97	42.47	376,961.46	562.56	1,766.90
248.68	62,568.25	378.95		171,670.35	3,734.51	
823.20	27,377.90			2,277.25		
		13,344.28				
165,551.81	2,038,363.73	118,966.19	12,561.72	3,942,917.31	103,090.31	51,964.08
102,588.18	572,940.59	95,751.80	6,859.00	3,026,362.26	36,318.74	22,758.81
268,139.99	2,611,304.32	214,717.99	19,420.72	6,969,279.57	139,409.05	74,722.89
		4,462.00		805,200.00		25,863.25
	80,383.44	6,187.86	204.41	254,948.18	67.70	913.72
	3,469.66					
657.32	14,477.29	2,604.75		13,530.98	444.53	330.00
657.32	98,330.39	13,254.61	204.41	1,073,679.16	512.23	27,106.97
102,588.18	572,940.59	95,751.80	6,859.00	3,026,362.26	36,318.74	22,758.81
39.62	100,000.00	819.60	200.00	27,306.62		16.85
102,627.80	672,940.59	96,571.40	7,059.00	3,053,668.88	36,318.74	22,775.66
60,000.00	274,339.08	29,038.00	5,765.89	781,950.00	33,500.00	6,636.75
104,854.87	1,565,694.26	75,853.98	6,391.42	2,059,981.53	69,078.08	21,200.43
						2,996.92
164,854.87	1,840,033.34	104,891.98	12,157.31	2,841,931.53	102,578.08	24,840.26
268,139.99	2,611,304.32	214,717.99	19,420.72	6,969,279.57	139,409.05	74,722.89

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Lanark	Lancaster	La Salle	Leaming- ton	Lindsay
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....			1,210.68	36,105.25	61,469.52
Substation equipment.....				8,288.84	104,033.03
Distribution system, overhead....	13,693.51	9,777.50	49,676.63	99,206.45	163,456.69
Distribution system, underground..				43,658.76	24,181.53
Line transformers.....	7,147.12	2,227.75	19,271.97	52,515.38	78,440.52
Meters.....	5,311.05	3,516.28	14,462.31	50,815.38	71,059.35
Street light equipment, regular....	1,567.82	866.97	1,823.97	4,848.71	15,789.94
Miscellaneous construction expense	331.55	89.03	780.59	9,581.16	45,402.76
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....					
Total plant.....	28,051.05	16,477.53	87,226.15	305,019.93	563,833.34
Less reserve for depreciation.....	4,126.00	5,879.74	18,255.93	76,361.57	124,384.60
	23,925.05	10,597.79	68,970.22	228,658.36	439,448.74
Bank and cash balance.....	9,121.44	5,359.67	2,051.22	5,271.40	
Securities and investments.....	10,000.00	4,000.00		2,000.00	15,000.00
Accounts receivable.....	225.64	1,100.12	1,888.19	5,458.89	11,836.97
Inventories.....			449.51	9,424.03	16,823.18
Sinking fund on local debentures..					
Other assets.....			12.30	0.36	
Frequency standardization expendi- ture in suspense.....					
	43,272.13	21,057.58	73,371.44	250,813.04	483,108.89
Equity in H-E.P.C. systems.....	15,094.61	12,760.83	37,360.35	227,904.32	277,720.98
Total.....	58,366.74	33,818.41	110,731.79	478,717.36	760,829.87
LIABILITIES					
Debenture balance.....					
Accounts payable.....	118.39	1,590.22	7,498.74	5,274.42	121,032.81
Bank overdraft.....					3,283.22
Other liabilities.....	140.00	168.48	1,233.06	4,287.61	6,154.24
Total liabilities.....	258.39	1,758.70	8,731.80	9,562.03	130,470.27
RESERVES					
For equity in H-E.P.C. systems....	15,094.61	12,760.83	37,360.35	227,904.32	277,720.98
Other reserves.....			159.26	666.75	
	15,094.61	12,760.83	37,519.61	228,571.07	277,720.98
SURPLUS					
Debentures paid.....	7,316.57	8,916.82	15,500.00	48,000.00	130,000.00
Local sinking fund.....					
Operating surplus.....	35,697.17	10,382.06	48,980.38	192,584.26	222,638.62
Net frequency standardization ex- pense charged this year.....					
Total surplus.....	43,013.74	19,298.88	64,480.38	240,584.26	352,638.62
Total.....	58,366.74	33,818.41	110,731.79	478,717.36	760,829.87

Utilities as at December 31, 1952

Listowel	London	London Twp. (V.A.)	Long Branch	Lucan	Lucknow	Lynden
\$	\$	\$	\$	\$	\$	\$
1,459.49	581,454.89			375.45		241.18
3,963.88	918,249.99					
90,680.85	1,254,171.82	47,380.70	117,078.93	19,823.30	28,834.83	8,213.62
7,371.09	1,566,729.46					
41,362.42	880,225.26	22,935.19	70,444.51	12,814.76	17,384.26	5,369.34
27,951.45	642,569.04	16,770.67	51,531.94	8,530.41	9,645.40	4,129.36
6,528.08	282,102.77	2,898.60	23,450.29	5,156.76	6,081.38	695.10
7,828.02	339,725.67	333.29		248.08	343.26	
187,145.28	6,465,228.90	90,318.45	262,505.67	46,948.76	62,289.13	18,648.60
74,477.45	2,103,723.38	19,338.48	16,170.97	11,463.31	5,380.26	5,736.76
112,667.83	4,361,505.52	70,979.97	246,334.70	35,485.45	56,908.87	12,911.84
12,297.41	93,107.97		2,619.15	1,216.26	3,470.83	2,491.28
5,000.00	206,500.00	2,000.00	3,000.00	5,500.00	22,000.00	3,000.00
735.62	239,389.00	640.10	13,195.61	128.80	1,063.83	89.12
684.43	370,799.75					
474.89	26,129.84					
203.10						
132,063.28	5,297,432.08	73,620.07	265,149.46	42,330.51	83,443.53	18,492.24
186,199.51	5,288,108.02	55,434.87	103,007.83	38,908.40	48,396.86	26,147.04
318,262.79	10,585,540.10	129,054.94	368,157.29	81,238.91	131,840.39	44,639.28
	627,000.00	8,000.00				
2,781.36	516,302.77	9,658.06	50,074.34	5,640.59	4,337.21	326.96
		1,980.53				
1,041.67	35,681.02	757.62	4,619.15	488.61		40.32
3,823.03	1,178,983.79	20,396.21	54,693.49	6,129.20	4,337.21	367.28
186,199.51	5,288,108.02	55,434.87	103,007.83	38,908.40	48,396.86	26,147.04
	260,657.27	677.84	811.39		490.75	
186,199.51	5,548,765.29	56,112.71	103,819.22	38,908.40	48,887.61	26,147.04
43,189.89	1,604,900.00	19,000.00	40,304.60	11,213.62	17,614.08	4,495.00
85,050.36	2,260,278.56	39,440.33	189,176.21	27,897.81	61,001.49	13,629.96
	7,387.54	5,894.31	19,836.23	2,910.12		
128,240.25	3,857,791.02	52,546.02	209,644.58	36,201.31	78,615.57	18,124.96
318,262.79	10,585,540.10	129,054.94	368,157.29	81,238.91	131,840.39	44,639.28

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Madoc	Magneta- wan	Markdale	Markham	Marmora
ASSETS	\$	\$	\$	\$	\$
Lands and buildings	100.00	278.04			
Substation equipment		1,759.60	780.80		
Distribution system, overhead	40,059.51	11,321.84	18,475.00	39,073.50	20,153.61
Distribution system, underground					
Line transformers	14,030.04	2,257.60	11,454.14	24,641.35	8,597.03
Meters	10,477.64	1,335.07	9,279.17	15,989.00	7,599.12
Street light equipment, regular	2,704.28	983.31	4,555.77	2,292.82	1,590.39
Miscellaneous construction expense	766.11	547.15	255.00	455.03	484.64
Steam or hydraulic plant					
Old plant		2,770.62			
Other capital assets					
Total plant	68,137.58	21,253.23	44,799.88	82,451.70	38,424.79
Less reserve for depreciation	13,594.92	2,711.75	5,366.57	13,250.20	20,808.10
	54,542.66	18,541.48	39,433.31	69,201.50	17,616.69
Bank and cash balance	7,930.00	7,361.12	6,678.78		1,363.63
Securities and investments	2,000.00	100.00		14,000.00	8,000.00
Accounts receivable	1,294.23	127.22	141.71	351.40	807.51
Inventories	3,624.18				2,901.86
Sinking fund on local debentures					
Other assets			4.18		
Frequency standardization expendi- ture in suspense					
	69,391.07	26,129.82	46,257.98	83,552.90	30,689.69
Equity in H-E.P.C. systems	23,445.97	67.96	24,026.64	47,070.28	14,989.93
Total	92,837.04	26,197.78	70,284.62	130,623.18	45,679.62
LIABILITIES					
Debenture balance		24,000.00			
Accounts payable	2,959.49	7.40	537.96		
Bank overdraft				1,841.35	
Other liabilities	521.84		92.00	125.00	370.00
Total liabilities	3,481.33	24,007.40	629.96	1,966.35	370.00
RESERVES					
For equity in H-E.P.C. systems	23,445.97	67.96	24,026.64	47,070.28	14,989.93
Other reserves				50.00	
	23,445.97	67.96	24,026.64	47,120.28	14,989.93
SURPLUS					
Debentures paid	14,000.00		6,370.29	11,373.63	15,091.58
Local sinking fund					
Operating surplus	51,909.74	2,122.42	39,257.73	70,162.92	15,228.11
Net frequency standardization ex- pense charged this year					
Total surplus	65,909.74	2,122.42	45,628.02	81,536.55	30,319.69
Total	92,837.04	26,197.78	70,284.62	130,623.18	45,679.62

Utilities as at December 31, 1952

Martintown	Maxville	Meaford	Merlin	Merrickville	Merritton	Midland
\$	\$	\$	\$	\$	\$	\$
126.15		1,144.18	17,741.50		52,306.15	26,727.00
	407.79	2,593.47			105,902.94	168,946.34
4,174.55	18,386.95	54,295.43	12,286.80	17,540.53	76,100.32	150,486.27
2,400.96	7,393.34	29,456.59	6,608.58	6,944.01	36,895.27	60,930.35
2,007.82	5,242.87	26,790.81	4,682.22	6,536.94	36,654.97	62,855.20
679.01	2,491.13	12,086.99	1,168.68	798.36	9,122.57	23,214.64
36.94	452.42	3,275.25	421.50	595.09	7,461.79	11,723.52
9,425.43	34,374.50	129,642.72	42,909.28	32,414.93	324,444.01	504,883.32
2,394.42	5,226.45	30,623.85	10,303.31	3,186.60	64,998.87	240,530.48
7,031.01	29,148.05	99,018.87	32,605.97	29,228.33	259,445.14	264,352.84
2,879.13	1,291.68	31,819.81	6,390.02	12,559.85	37,176.42	25,199.57
2,500.00	2,500.00	25,000.00			87,000.00	87,000.00
424.48	1,037.03	2,286.15	1,018.48	3,699.16	5,717.67	4,465.90
		7,614.48	399.34		13,088.81	10,142.89
					22.22	3,744.61
			5.00		1,450.00	
12,834.62	33,976.76	165,739.31	40,418.81	45,487.34	403,900.26	394,905.81
5,033.02	20,846.65	80,170.09	23,620.11	1,058.86	532,636.44	477,900.56
17,867.64	54,823.41	245,909.40	64,038.92	46,546.20	936,536.70	872,806.37
393.77	1,615.85	14.07	1,399.14	23,200.00 2,135.38	858.66	38,708.93
30.00	112.94	1,888.23	85.28	325.00	1,291.59	1,790.76
423.77	1,728.79	1,902.30	1,484.42	25,660.38	2,150.25	40,499.69
5,033.02	20,846.65	80,170.09	23,620.11	1,058.86	532,636.44	477,900.56
81.02	295.87	115.42	23.40			1,302.06
5,114.04	21,142.52	80,285.51	23,643.51	1,058.86	532,636.44	479,202.62
5,346.73	13,642.40	47,724.76	13,122.36	1,800.00	32,186.21	111,944.99
6,983.10	18,309.70	115,996.83	25,788.63	18,026.96	369,563.80	241,159.07
12,329.83	31,952.10	163,721.59	38,910.99	19,826.96	401,750.01	353,104.06
17,867.64	54,823.41	245,909.40	64,038.92	46,546.20	936,536.70	872,806.37

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Mildmay	Millbrook	Milton	Milverton	Mimico
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....			17,085.21	761.88	105,823.85
Substation equipment.....			47,949.60		77,998.08
Distribution system, overhead....	10,374.23	13,807.30	51,983.77	17,682.52	134,969.97
Distribution system, underground.					
Line transformers.....	10,561.10	5,806.99	29,098.70	18,452.31	83,770.86
Meters.....	6,091.64	4,331.67	23,863.53	9,802.72	56,316.74
Street light equipment, regular....	1,931.57	2,355.54	21,953.21	1,039.74	15,115.78
Miscellaneous construction expense	39.06		6,242.35	339.73	19,464.62
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....					
Total plant.....	28,997.60	26,301.50	198,176.37	48,078.90	493,459.90
Less reserve for depreciation.....	2,416.72	5,455.10	38,642.23	11,237.82	145,172.48
	26,580.88	20,846.40	159,534.14	36,841.08	348,287.42
Bank and cash balance.....	4,080.05	6,724.18	5,258.23	17.33	29,492.84
Securities and investments.....	8,500.00	4,000.00		4,000.00	25,000.00
Accounts receivable.....	31.83	42.85	2,972.73	660.06	2,291.90
Inventories.....			2,129.47	140.02	2,842.85
Sinking fund on local debentures..					
Other assets.....			186.91	10.00	883.88
Frequency standardization expenditure in suspense.....			2,039.28	6.00	115,788.12
	39,192.76	31,613.43	172,120.76	41,674.49	524,587.01
Equity in H-E.P.C. systems.....	11,713.46	6,100.34	216,842.31	86,561.26	322,406.38
Total.....	50,906.22	37,713.77	388,963.07	128,235.75	846,993.39
LIABILITIES					
Debenture balance.....			26,000.00		121,000.00
Accounts payable.....		837.18	161.74	423.31	
Bank overdraft.....				1,505.05	
Other liabilities.....	255.73	145.04	499.56		13,647.72
Total liabilities.....	255.73	982.22	26,661.30	1,928.36	134,647.72
RESERVES					
For equity in H-E.P.C. systems....	11,713.46	6,100.34	216,842.31	86,561.26	322,406.38
Other reserves.....			1,802.47		582.33
	11,713.46	6,100.34	218,644.78	86,561.26	322,988.71
SURPLUS					
Debentures paid.....	12,303.50	9,000.00	33,046.41	9,500.00	131,000.00
Local sinking fund.....					
Operating surplus.....	26,633.53	21,631.21	110,610.58	30,246.13	258,356.96
Net frequency standardization expense charged this year.....					
Total surplus.....	38,937.03	30,631.21	143,656.99	39,746.13	389,356.96
Total.....	50,906.22	37,713.77	388,963.07	128,235.75	846,993.39

Utilities as at December 31, 1952

Mitchell	Moorefield	Morrisburg	Mount Brydges	Mount Forest	Napanee	Neustadt
\$	\$	\$	\$	\$	\$	\$
27,630.98		10,773.98		3,726.00	25,064.83	
20,122.70		4,499.48		686.75	2,358.27	
43,808.66	6,051.63	21,898.42	14,216.51	34,110.40	81,157.29	13,050.90
29,375.73	3,203.69	13,389.50	6,841.53	19,559.52	32,677.51	10,448.79
19,786.14	2,250.72	13,547.15	5,410.60	18,171.49	31,069.32	4,118.83
8,435.65	406.36	7,865.31	1,853.04	5,409.11	8,721.84	1,900.76
9,510.36	83.47	1,816.06		2,831.01	8,702.82	318.17
158,670.22	11,995.87	73,789.90	28,321.68	84,494.28	189,751.88	29,837.45
37,033.73	3,941.46	4,936.20	6,453.43	26,342.14	39,354.63	10,543.37
121,636.49	8,054.41	68,853.70	21,868.25	58,152.14	150,397.25	19,294.08
100.00	3,702.41	2,388.29	1,497.00	16,428.46	5,985.10	3,539.91
9,950.00	2,500.00	16,000.00	1,000.00	20,000.00	12,800.00	14,700.00
9,069.42	233.29	4,482.48	1,224.00	411.93	23,814.53	58.17
15,170.01		4,555.40	1,317.14	129.96	14,569.89	
574.58					10.70	
21,349.94	95.50					
177,850.44	14,585.61	96,279.87	26,906.39	95,122.49	207,577.47	37,592.16
102,302.49	13,747.35	15,588.06	16,839.82	77,839.03	113,123.85	12,650.58
280,152.93	28,332.96	111,867.93	43,746.21	172,961.52	320,701.32	50,242.74
24,200.00						
1,378.97	60.00	1,061.22	1,198.67	70.96	150.00	2,114.36
6,990.12						
286.00	7.22	2,323.39	130.10	135.00	2,405.55	333.85
32,855.09	67.22	3,384.61	1,328.77	205.96	2,555.55	2,448.21
102,302.49	13,747.35	15,588.06	16,839.82	77,839.03	113,123.85	12,650.58
1,352.49			94.03			
103,654.98	13,747.35	15,588.06	16,933.85	77,839.03	113,123.85	12,650.58
23,095.22	4,500.00	31,636.00	4,220.00	25,351.63	70,000.00	15,504.12
120,547.64	10,018.39	61,259.26	23,288.47	69,564.90	135,021.92	19,639.83
			2,024.88			
143,642.86	14,518.39	92,895.26	25,483.59	94,916.53	205,021.92	35,143.95
280,152.93	28,332.96	111,867.93	43,746.21	172,961.52	320,701.32	50,242.74

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Newboro	Newburgh	Newbury	Newcastle	New Hamburg
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....				107.37	4,238.26
Substation equipment.....					1,319.80
Distribution system, overhead....	12,375.90	17,392.41	7,977.89	22,873.60	31,358.31
Distribution system, underground.					
Line transformers.....	3,086.30	5,569.20	2,966.14	10,330.34	20,397.10
Meters.....	2,835.54	4,152.89	2,027.59	7,265.10	15,252.38
Street light equipment, regular....	1,055.29	1,186.86	894.16	2,315.71	3,372.07
Miscellaneous construction expense	1,342.37	89.03		1,108.80	3,348.37
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....					
Total plant.....	20,695.40	28,390.39	13,865.78	44,000.92	79,286.29
Less reserve for depreciation.....	1,519.70	11,784.25	7,409.17	15,581.29	20,499.11
	19,175.70	16,606.14	6,456.61	28,419.63	58,787.18
Bank and cash balance.....	4,850.56	2,785.46	4,752.76	4,355.87	473.16
Securities and investments.....			6,500.00	10,500.00	11,000.00
Accounts receivable.....	9.41	239.12	797.72	89.18	2,133.34
Inventories.....				1,987.88	1,608.83
Sinking fund on local debentures..					
Other assets.....					44.00
Frequency standardization expendi- ture in suspense.....			33.00		10.00
	24,035.67	19,630.72	18,540.09	45,352.56	74,056.51
Equity in H-E.P.C. systems.....	505.76	723.76	9,486.20	11,620.15	105,626.97
Total.....	24,541.43	20,354.48	28,026.29	56,972.71	179,683.48
LIABILITIES					
Debenture balance.....	15,044.48	11,500.00			
Accounts payable.....	142.17	628.77	381.35		0.82
Bank overdraft.....					
Other liabilities.....	88.00	109.00	67.84		158.84
Total liabilities.....	15,274.65	12,237.77	449.19		159.66
RESERVES					
For equity in H-E.P.C. systems....	505.76	723.76	9,486.20	11,620.15	105,626.97
Other reserves.....					33.83
	505.76	723.76	9,486.20	11,620.15	105,660.80
SURPLUS					
Debentures paid.....	1,955.52	2,500.00	9,754.39	14,000.00	17,729.08
Local sinking fund.....					
Operating surplus.....	6,805.50	4,892.95	8,336.51	31,352.56	56,133.94
Net frequency standardization ex- pense charged this year.....					
Total surplus.....	8,761.02	7,392.95	18,090.90	45,352.56	73,863.02
Total.....	24,541.43	20,354.48	28,026.29	56,972.71	179,683.48

Utilities as at December 31, 1952

Newmarket	New Toronto	Niagara	Niagara Falls	North York Twp. (V.A.)	Norwich	Norwood
\$	\$	\$	\$	\$	\$	\$
4,000.00	65,433.93	4,463.20	142,251.10	137,888.26	4,697.92	
5,000.00	20,535.14	31,599.94	376,818.91	709,930.75		
103,908.65	156,377.55	58,369.26	332,561.63	2,426,339.85	15,371.99	55,168.65
	17,198.72		32,289.04			
68,578.88	125,955.74	38,940.63	265,574.44	1,198,948.96	13,887.09	11,464.69
46,853.94	74,884.60	22,928.90	192,042.23	647,950.00	13,061.82	9,788.33
22,034.11	26,297.83	5,209.80	146,879.18	156.00	5,082.22	7,613.43
5,632.82	7,343.53	2,427.11	34,031.00	149,044.34	3,638.52	394.80
256,008.40	494,027.04	163,938.84	1,522,447.53	5,270,258.16	55,739.56	84,429.90
52,188.81	113,216.32	41,508.84	471,441.98	550,369.84	15,328.32	9,562.55
203,819.59	380,810.72	122,430.00	1,051,005.55	4,719,888.32	40,411.24	74,867.35
25.00	39,461.25	3,510.34	4,386.47	116,868.82	2,163.18	1,331.01
	70,000.00	10,000.00	160,000.00	10,000.00	12,300.00	
2,603.85	6,003.36	6,406.82	8,085.66	263,580.55	1,099.80	503.71
122.44	13,499.26	9,449.34	44,715.65	101,408.91	4,743.26	
40.00			2,710.01		294.37	
	48,153.59			202,828.12		
206,610.88	557,928.18	151,796.50	1,270,903.34	5,414,574.72	61,011.85	76,702.07
45,828.92	1,095,595.02	76,277.40	1,180,604.10	740,862.80	76,954.10	16,280.50
252,439.80	1,653,523.20	228,073.90	2,451,507.44	6,155,437.52	137,965.95	92,982.57
55,682.42		2,400.00		3,451,952.22		17,000.00
2,854.55	1,567.67	1,527.25	10,563.74	24,693.97	5,000.10	662.07
4,332.10			7,267.09			
2,142.42	7,189.69	1,134.41	29,908.76	64,708.55	616.01	500.87
65,011.49	8,757.36	5,061.66	47,739.59	3,541,354.74	5,616.11	18,162.94
45,828.92	1,095,595.02	76,277.40	1,180,604.10	740,862.80	76,954.10	16,280.50
593.00	719.48	586.67	856.68	44,698.78	405.84	
46,421.92	1,096,314.50	76,864.07	1,181,460.78	785,541.58	77,359.94	16,280.50
9,317.58	8,000.00	46,107.67	690,243.00	776,069.65	13,756.00	38,100.00
131,688.81	540,451.34	100,040.50	539,840.39	1,052,451.55	41,233.90	20,439.13
			7,776.32			
141,006.39	548,451.34	146,148.17	1,222,307.07	1,828,521.20	54,989.90	58,539.13
252,439.80	1,653,523.20	228,073.90	2,451,507.44	6,155,437.52	137,965.95	92,982.57

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Oakville	Oil Springs	Omamee	Orangeville	Orono
ASSETS	\$	\$	\$	\$	\$
Lands and buildings	802.15	6,457.31	200.00	2,585.07	
Substation equipment	32,388.04	2,461.78	769.83		
Distribution system, overhead	167,285.58	17,303.22	22,141.63	70,033.90	13,162.85
Distribution system, underground	647.42				
Line transformers	85,701.48	9,877.09	10,663.34	36,229.11	8,789.77
Meters	70,305.99	5,621.54	5,791.38	24,799.26	5,109.71
Street light equipment, regular	26,179.87	1,015.13	2,502.07	27,113.73	2,294.77
Miscellaneous construction expense	13,884.69	239.03	415.40	1,443.98	2,160.36
Steam or hydraulic plant					
Old plant					
Other capital assets					
Total plant	397,195.22	42,975.10	42,483.65	162,205.05	31,517.46
Less reserve for depreciation	123,725.83	17,039.66	15,041.15	27,214.28	6,079.48
	273,469.39	25,935.44	27,442.50	134,990.77	25,437.98
Bank and cash balance	14,901.54	9,567.98	2,588.89	20.00	2,401.51
Securities and investments		6,500.00	11,000.00	26,000.00	8,000.00
Accounts receivable	12,752.95	253.68	134.18	1,410.15	214.07
Inventories	24,301.72	354.45		283.43	1,282.51
Sinking fund on local debentures					
Other assets		31.55	27.12	2,170.09	
Frequency standardization expenditure in suspense	21.64				
	325,447.24	42,643.10	41,192.69	164,874.44	37,336.07
Equity in H-E.P.C. systems	30,896.65	47,667.01	7,931.03	105,659.79	5,488.41
Total	356,343.89	90,310.11	49,123.72	270,534.23	42,824.48
LIABILITIES					
Debenture balance	101,000.00				
Accounts payable	14,274.07	59.06	217.47	1,172.51	904.40
Bank overdraft				8,650.50	
Other liabilities	4,010.00	25.00	158.83	1,018.00	
Total liabilities	119,284.07	84.06	376.30	10,841.01	904.40
RESERVES					
For equity in H-E.P.C. systems	30,896.65	47,667.01	7,931.03	105,659.79	5,488.41
Other reserves	4,988.17	85.23	45.14	40.38	
	35,884.82	47,752.24	7,976.17	105,700.17	5,488.41
SURPLUS					
Debentures paid		16,721.31	12,000.00	25,594.32	8,000.00
Local sinking fund					
Operating surplus	201,175.00	25,752.50	28,771.25	128,398.73	28,431.67
Net frequency standardization expense charged this year					
Total surplus	201,175.00	42,473.81	40,771.25	153,993.05	36,431.67
Total	356,343.89	90,310.11	49,123.72	270,534.23	42,824.48

Utilities as at December 31, 1952

Oshawa	Ottawa	Otterville	Owen Sound	Paisley	Palmerston	Paris
\$	\$	\$	\$	\$	\$	\$
214,072.08	2,104,438.32	738.91	73,915.13	247.25	13,570.15	
461,755.03	4,133,128.20		107,428.79	1,923.46	81,150.93	
767,680.64	3,158,753.47	13,531.73	253,938.48	20,837.83	40,033.84	90,644.73
201,969.31	832,090.11		8,064.57			
310,191.35	1,992,029.83	10,187.10	113,478.66	8,503.68	21,783.97	58,562.87
273,071.68	1,140,936.70	4,744.24	114,261.86	6,262.73	14,724.30	30,282.68
166,501.25	371,219.05	1,979.19	64,203.97	2,911.55	12,935.62	19,542.88
73,639.27	107,045.39	885.78	11,329.69	266.97	2,266.18	8,718.93
	1,732,296.10					
2,468,880.61	15,571,937.17	32,066.95	746,621.15	40,706.22	91,991.16	302,473.17
429,305.76	3,768,703.45	10,229.79	123,275.27	7,685.71	28,739.73	87,153.91
2,039,574.85	11,803,233.72	21,837.16	623,345.88	33,020.51	63,251.43	215,319.26
21,796.88	283,604.65	537.59	420.00	7,594.99	13,600.93	3,542.75
100,000.00	188,000.00	4,500.00	70,000.00	4,500.00	20,600.00	
142,982.69	615,835.30	207.73	41,084.73	60.84	487.58	1,147.40
73,313.67	610,470.71	211.00	33,060.49	180.00	9,035.61	143.74
1,936.44	86,226.56				14.00	173.97
		61.00				1,420.00
2,379,604.53	13,587,370.94	27,354.48	767,911.10	45,356.34	106,989.55	221,747.12
1,451,811.95	991,770.07	19,785.69	551,338.33	24,798.02	94,361.27	244,661.19
3,831,416.48	14,579,141.01	47,140.17	1,319,249.43	70,154.36	201,350.82	466,408.31
	6,181,000.00		89,000.00			24,200.00
192,409.71	486,586.73	349.69	29,833.74		111.02	1,088.02
			860.48			
39,064.35		81.38	14,191.52	92.42	283.43	
231,474.06	6,667,586.73	431.07	133,885.74	92.42	394.45	25,288.02
1,451,811.95	991,770.07	19,785.69	551,338.33	24,798.02	94,361.27	244,661.19
77,521.41	209,049.63	15.54	2,115.05		263.97	151.32
1,529,333.36	1,200,819.70	19,801.23	553,453.38	24,798.02	94,625.24	244,812.51
302,622.40	1,799,000.00	4,500.00	118,718.00	13,623.35	27,000.00	92,800.00
1,767,986.66	4,911,734.58	22,407.87	513,192.31	31,640.57	79,331.13	103,507.78
2,070,609.06	6,710,734.58	26,907.87	631,910.31	45,263.92	106,331.13	196,307.78
3,831,416.48	14,579,141.01	47,140.17	1,319,249.43	70,154.36	201,350.82	466,408.31

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Parkhill	Parry Sound	Penetang- uishene	Perth
ASSETS	\$	\$	\$	\$
Lands and buildings.....		18,317.02	2,288.05	5,109.34
Substation equipment.....		22,043.00	7,161.13	19,218.26
Distribution system, overhead.....	31,067.70	66,900.79	74,346.75	87,015.07
Distribution system, underground.....				
Line transformers.....	16,068.20	36,452.94	35,105.48	53,616.28
Meters.....	9,615.71	36,982.56	28,777.77	35,495.91
Street light equipment, regular.....	9,112.10	20,818.95	13,123.53	28,929.71
Miscellaneous construction expense..	819.86	3,813.36	1,762.32	8,185.59
Steam or hydraulic plant.....		373,237.39		
Old plant.....				
Other capital assets.....				
Total plant.....	66,683.57	578,566.01	162,565.03	237,570.16
Less reserve for depreciation.....	6,898.25	121,256.07	63,216.90	75,674.00
	59,785.32	457,309.94	99,348.13	161,896.16
Bank and cash balance.....	10,036.49	20,993.38	4,008.58	19,693.52
Securities and investments.....		37,800.00	55,000.00	61,000.00
Accounts receivable.....	654.97	1,306.64	1,773.63	7,858.55
Inventories.....		76.00	197.79	23,187.26
Sinking fund on local debentures.....				
Other assets.....			5,208.45	
Frequency standardization expendi- ture in suspense.....				
	70,376.78	517,485.96	165,536.58	273,635.49
Equity in H-E.P.C. systems.....	43,773.40	6,248.01	138,956.07	167,417.74
Total.....	114,250.18	523,733.97	304,492.65	441,053.23
LIABILITIES				
Debenture balance.....	13,800.00			
Accounts payable.....	751.40	1,659.08		30.90
Bank overdraft.....				
Other liabilities.....	428.73	6,691.10	1,255.00	3,873.05
Total liabilities.....	14,980.13	8,350.18	1,255.00	3,903.95
RESERVES				
For equity in H-E.P.C. systems.....	43,773.40	6,248.01	138,956.07	167,417.74
Other reserves.....		150.00	891.36	7,279.53
	43,773.40	6,398.01	139,847.43	174,697.27
SURPLUS				
Debentures paid.....	15,830.02	388,500.00	36,982.95	85,045.30
Local sinking fund.....				
Operating surplus.....	43,882.06	120,485.78	126,407.27	177,406.71
Net frequency standardization ex- pense charged this year.....	4,215.43			
Total surplus.....	55,496.65	508,985.78	163,390.22	262,452.01
Total.....	114,250.18	523,733.97	304,492.65	441,053.23

Utilities as at December 31, 1952

Peter- borough	Petrolia	Picton	Plattsville	Point Edward	Port Colborne	Port Credit
\$	\$	\$	\$	\$	\$	\$
239,312.36	38,667.89	15,061.79			57,310.72	675.00
584,156.75	4,971.75	52,552.35				
899,628.91	73,828.25	68,556.82	8,928.27	50,509.70	196,203.49	103,149.07
26,170.93						
373,516.37	49,238.50	34,624.34	6,452.98	19,965.24	94,690.38	51,088.13
256,062.97	27,687.73	35,287.80	3,501.17	17,776.86	69,429.23	34,232.40
151,476.33	12,363.96	11,401.39	171.79	9,242.32	14,792.33	8,594.02
35,665.48	9,083.57	1,215.35		1,861.93	24,858.07	7,103.74
2,565,990.10	215,841.65	218,699.84	19,054.21	99,356.05	457,284.22	204,842.36
490,962.98	59,455.32	59,270.68	3,068.98	22,239.49	76,767.94	36,357.05
2,075,027.12	156,386.33	159,429.16	15,985.23	77,116.56	380,516.28	168,485.31
	50.00	13,415.33	6,298.97	27,613.33	140.00	13,687.15
		3,500.00	4,500.00	25,000.00	75,000.00	1,000.00
100,560.56	6,386.94	503.41	581.08	3,449.58	397.83	3,891.93
50,824.63	19,884.89	11,888.74		6,037.86	8,730.73	7,336.56
1,515.30	746.17				347.37	
			35.00			18,056.63
2,227,927.61	183,454.33	188,736.64	27,400.28	139,217.33	465,132.21	212,457.58
946,750.71	208,964.62	137,651.87	22,567.43	165,261.47	278,270.44	102,136.33
3,174,678.32	392,418.95	326,388.51	49,967.71	304,478.80	743,402.65	314,593.91
526,200.00						76,174.95
70,733.23	3,846.40	1,452.90	312.66	3,464.16	3,281.88	2,408.51
16,967.99	5,947.66				5,962.35	
1,431.06	2,153.94	6,207.85		769.35	6,682.37	1,956.40
615,332.28	11,948.00	7,660.75	312.66	4,233.51	15,926.60	80,539.86
946,750.71	208,964.62	137,651.87	22,567.43	165,261.47	278,270.44	102,136.33
1,332.86	63.00			113.07	222.62	1,527.08
948,083.57	209,027.62	137,651.87	22,567.43	165,374.54	278,493.06	103,663.41
524,410.67	50,000.00	3,182.32	5,237.00	17,000.00	178,000.00	23,325.05
1,086,851.80	121,443.33	177,893.57	21,850.62	117,870.75	270,982.99	107,065.59
1,611,262.47	171,443.33	181,075.89	27,087.62	134,870.75	448,982.99	130,390.64
3,174,678.32	392,418.95	326,388.51	49,967.71	304,478.80	743,402.65	314,593.91

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Port Dalhousie	Port Dover	Port Elgin	Port Hope	Port McNicoll
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....	5,630.49	248.75	2,843.05	18,685.52	.....
Substation equipment.....	.....	.....	.....	27,798.66	.....
Distribution system, overhead....	52,294.87	63,647.38	43,828.41	103,946.76	22,711.62
Distribution system, underground..	.....	.....	.....	.....	.....
Line transformers.....	30,696.81	33,741.85	24,357.17	60,324.77	5,169.96
Meters.....	21,561.18	22,729.76	16,772.91	60,025.82	7,153.62
Street light equipment, regular....	3,044.19	3,967.70	4,853.85	15,058.97	884.59
Miscellaneous construction expense	4,191.99	2,718.12	1,127.19	13,145.97	223.25
Steam or hydraulic plant.....	.....	.....	.....	.....	.....
Old plant.....	.....	.....	.....	.....	.....
Other capital assets.....	.....	.....	.....	.....	.....
Total plant.....	117,419.53	127,053.56	93,782.58	298,986.47	36,143.04
Less reserve for depreciation.....	14,394.03	37,277.95	13,408.43	60,903.86	5,624.24
	103,025.50	89,775.61	80,374.15	238,082.61	30,518.80
Bank and cash balance.....	2,712.32	1,986.36	10,259.22	9,631.62	4,374.15
Securities and investments.....	.....	.....	4,500.00	.....	1,000.00
Accounts receivable.....	4,113.17	2,986.44	611.08	1,960.15	392.82
Inventories.....	1,141.38	.....	181.00	15,751.65	523.14
Sinking fund on local debentures..	.....	.....	.....	.....	.....
Other assets.....	91.71	40.50	.....	613.58	.....
Frequency standardization expendi- ture in suspense.....	.....	151.00	.....	.....	.....
	111,084.08	94,939.91	95,925.45	266,039.61	36,808.91
Equity in H-E.P.C. systems.....	90,024.54	64,776.19	41,754.94	186,290.69	15,058.67
Total.....	201,108.62	159,716.10	137,680.39	452,330.30	51,867.58
LIABILITIES					
Debenture balance.....	12,498.77	.....	.....	13,700.00	2,100.00
Accounts payable.....	389.28	5,829.22	732.90	.....	432.02
Bank overdraft.....	.....	.....	.....	.....	.....
Other liabilities.....	2,001.78	1,032.30	.....	16,302.27	391.10
Total liabilities.....	14,889.83	6,861.52	732.90	30,002.27	2,923.12
RESERVES					
For equity in H-E.P.C. systems....	90,024.54	64,776.19	41,754.94	186,290.69	15,058.67
Other reserves.....	214.16	.....	.....	1,220.22	.....
	90,238.70	64,776.19	41,754.94	187,510.91	15,058.67
SURPLUS					
Debentures paid.....	27,001.23	29,000.00	37,787.00	79,930.64	7,703.58
Local sinking fund.....	.....	.....	.....	.....	.....
Operating surplus.....	68,978.86	59,078.39	57,405.55	154,886.48	26,182.21
Net frequency standardization ex- pense charged this year.....	.....	.....	.....	.....	.....
Total surplus.....	95,980.09	88,078.39	95,192.55	234,817.12	33,885.79
Total.....	201,108.62	159,716.10	137,680.39	452,330.30	51,867.58

Utilities as at December 31, 1952

Port Perry	Port Rowan	Port Stanley	Prescott	Preston	Priceville	Princeton
\$	\$	\$	\$	\$	\$	\$
2,564.65		1,574.60	2,761.54	52,939.28	68.00	
39,884.16	20,018.27	54,754.54	66,231.64	191,167.93	10,238.03	7,166.04
16,513.50	8,381.98	31,198.23	35,110.20	108,293.24	2,706.93	5,479.26
11,832.93	4,603.13	21,209.68	29,394.04	60,129.77	968.47	2,974.15
3,072.02	1,243.62	3,539.39	8,609.92	11,352.65	854.96	535.07
206.47	441.94	829.27	5,602.89	8,377.34	165.60	
				16,484.00		
74,073.73	34,688.94	113,105.71	147,710.23	582,319.17	15,001.99	16,154.52
7,261.69	4,913.31	26,295.62	61,786.21	132,214.78	2,203.34	3,756.06
66,812.04	29,775.63	86,810.09	85,924.02	450,104.39	12,798.65	12,398.46
8,815.94	2,978.03	6,244.76	31,933.80	8,707.20	3,098.58	3,745.63
16,000.00		18,000.00				7,000.00
531.28	401.77	1,256.20	1,754.56	22,967.66	6.18	1,042.88
		1,818.61	3,459.88	22,573.35		
1,818.40	10.00			5,078.95		
	106.48			13,497.82		24.00
93,977.66	33,271.91	114,129.66	123,072.26	522,929.37	15,903.41	24,210.97
42,718.06	16,651.58	94,342.80	120,201.41	549,454.16	2,135.19	21,843.27
136,695.72	49,923.49	208,472.46	243,273.67	1,072,383.53	18,038.60	46,054.24
			9,900.00	244,300.00	5,400.00	
1,353.58	1,615.55	633.60	2,310.00	38,694.26	1,365.82	
613.55	300.00	323.00	1,316.40	2,840.13		
1,967.13	1,915.55	956.60	13,526.40	285,834.39	6,765.82	
42,718.06	16,651.58	94,342.80	120,201.41	549,454.16	2,135.19	21,843.27
		197.72		580.39		
42,718.06	16,651.58	94,540.52	120,201.41	550,034.55	2,135.19	21,843.27
19,881.66	11,000.00	18,950.00	14,270.99	158,500.00	6,766.10	3,550.00
72,128.87	20,356.36	94,025.34	95,274.87	78,014.59	2,371.49	20,660.97
92,010.53	31,356.36	112,975.34	109,545.86	236,514.59	9,137.59	24,210.97
136,695.72	49,923.49	208,472.46	243,273.67	1,072,383.53	18,038.60	46,054.24

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Queenston	Renfrew	Richmond	Richmond Hill	Ridge-town
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....		9,393.89			4,600.68
Substation equipment.....		35,983.80		600.00	1,024.24
Distribution system, overhead....	12,273.36	101,062.08	11,639.10	39,136.76	44,515.00
Distribution system, underground..					
Line transformers.....	5,059.75	73,725.84	7,296.61	38,034.72	26,676.35
Meters.....	3,189.28	52,126.74	4,299.01	18,627.26	16,266.65
Street light equipment, regular....	619.20	40,340.59	381.43	4,386.11	8,590.98
Miscellaneous construction expense	50.32	23,492.36	198.23	93.00	613.59
Steam or hydraulic plant.....		503,562.01			
Old plant.....					
Other capital assets.....					
Total plant.....	21,191.91	839,687.31	23,814.38	100,877.85	102,287.49
Less reserve for depreciation.....	5,255.93	135,167.04	4,216.44	20,621.32	17,218.83
	15,935.98	704,520.27	19,597.94	80,256.53	85,068.66
Bank and cash balance.....	1,957.83	92,468.20		4,486.69	50.00
Securities and investments.....	6,500.00	50,000.00			
Accounts receivable.....	365.87	21,561.87	629.01	507.58	823.65
Inventories.....		21,373.81			
Sinking fund on local debentures..					
Other assets.....				1,000.00	43.00
Frequency standardization expendi- ture in suspense.....	164.00				527.32
	24,923.68	889,924.15	20,226.95	86,250.80	86,512.63
Equity in H-E.P.C. systems.....	15,273.21	18,424.84	9,007.16	53,776.10	91,810.14
Total.....	40,196.89	908,348.99	29,234.11	140,026.90	178,322.77
LIABILITIES					
Debenture balance.....		213,120.83		9,681.24	
Accounts payable.....		9,948.65	1,991.52	10,861.71	2,879.75
Bank overdraft.....			940.39		3,840.43
Other liabilities.....	145.00		155.45	1,630.74	1,115.00
Total liabilities.....	145.00	223,069.48	3,087.36	22,173.69	7,835.18
RESERVES					
For equity in H-E.P.C. systems....	15,273.21	18,424.84	9,007.16	53,776.10	91,810.14
Other reserves.....		562.14		112.37	205.93
	15,273.21	18,986.98	9,007.16	53,888.47	92,016.07
SURPLUS					
Debentures paid.....	9,500.00	498,115.90	5,887.33	12,518.76	19,455.99
Local sinking fund.....					
Operating surplus.....	15,278.68	168,176.63	11,252.26	51,445.98	59,015.53
Net frequency standardization ex- pense charged this year.....					
Total surplus.....	24,778.68	666,292.53	17,139.59	63,964.74	78,471.52
Total.....	40,196.89	908,348.99	29,234.11	140,026.90	178,322.77

Utilities as at December 31, 1952

Ripley	Riverside	Rockwood	Rodney	Rosseau	Russell	St. Catharines
\$	\$	\$	\$	\$	\$	\$
.....	12,861.37	.....	.....	.....	.....	31,662.35
.....	8,849.98	.....	.....	.....	.....	400,678.05
15,673.41	174,995.06	13,557.78	16,979.35	10,067.28	15,250.98	615,419.10
.....
7,733.59	73,688.13	5,674.83	12,264.56	4,484.63	4,868.97	450,602.47
4,100.57	66,782.58	5,795.70	7,527.65	1,481.53	3,336.52	305,365.36
1,030.38	.....	1,376.34	4,111.99	623.60	1,573.39	49,658.53
.....	9,905.07	.....	57.21	1,139.26	201.42	32,094.00
.....
.....
28,537.95	347,082.19	26,404.65	40,940.76	17,796.30	25,231.28	1,885,479.86
3,396.24	71,773.96	10,314.18	10,744.87	4,346.03	2,090.83	437,037.74
.....
25,141.71	275,308.23	16,090.47	30,195.89	13,450.27	23,140.45	1,448,442.12
.....
6,752.16	200.00	5,435.67	545.61	347.58	6,657.82	200.00
.....	.....	3,300.00	8,200.00	1,500.00	1,000.00	150,000.00
34.01	10,601.58	99.34	168.44	228.05	1,136.77	144,822.04
.....	12,067.21	88.83	.....	.....	.....	63,541.41
.....	67.16	.....	.....	.....	.....	3,515.06
.....	.....	.....	10.00	.....	.....	.....
31,927.88	298,244.18	25,014.31	39,119.94	15,525.90	31,935.04	1,810,520.63
18,424.27	190,605.90	24,268.92	29,724.66	8,898.69	12,968.63	1,738,174.75
.....
50,352.15	488,850.08	49,283.23	68,844.60	24,424.59	44,903.67	3,548,695.38
.....
.....	41,337.94	.....	.....	1,069.25	.....	.....
996.15	957.25	1,270.90	2,671.10	311.32	398.37	104,441.73
.....	2,341.96	.....	.....	.....	.....	172,559.61
706.63	3,254.60	258.68	340.00	40.00	120.00	26,579.50
.....
1,702.78	47,891.75	1,529.58	3,011.10	1,420.57	518.37	303,580.84
.....
18,424.27	190,605.90	24,268.92	29,724.66	8,898.69	12,968.63	1,738,174.75
.....	135.37	.....	73.15	68.74	.....	3,202.67
.....
18,424.27	190,741.27	24,268.92	29,797.81	8,967.43	12,968.63	1,741,377.42
.....
12,744.49	86,162.06	4,500.00	8,500.00	11,930.75	8,808.12	302,022.91
.....
17,480.61	164,189.86	18,984.73	27,535.69	2,105.84	22,608.55	1,210,428.41
.....	134.86	.....	.....	.....	.....	8,714.20
.....
30,225.10	250,217.06	23,484.73	36,035.69	14,036.59	31,416.67	1,503,737.12
.....
50,352.15	488,850.08	49,283.23	68,844.60	24,424.59	44,903.67	3,548,695.38

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	St. Clair Beach	St. George	St. Jacobs	St. Mary's
ASSETS	\$	\$	\$	\$
Lands and buildings				21,611.43
Substation equipment.....				45,157.55
Distribution system, overhead.....	18,952.61	11,213.81	12,558.52	103,315.96
Distribution system, underground.....				
Line transformers.....	6,545.09	8,865.00	8,701.56	61,348.63
Meters.....	4,537.61	5,402.05	5,096.21	37,434.39
Street light equipment, regular.....	1,570.30	2,302.03	541.98	9,602.22
Miscellaneous construction expense.....		166.50	36.75	21,545.67
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	31,605.61	27,949.39	26,935.02	300,015.85
Less reserve for depreciation.....	8,815.43	3,415.19	6,635.32	84,962.22
	22,790.18	24,534.20	20,299.70	215,053.63
Bank and cash balance.....		9,982.80	5,481.60	10,476.54
Securities and investments.....	3,000.00	6,000.00	10,000.00	12,500.00
Accounts receivable.....	525.99	564.27	32.00	3,477.62
Inventories.....				8,301.48
Sinking fund on local debentures.....				
Other assets.....		40.00	10.00	769.17
Frequency standardization expenditure in suspense.....				30,610.89
	26,316.17	41,121.27	35,823.30	281,189.33
Equity in H-E.P.C. systems.....	15,621.79	29,930.88	37,780.00	277,080.51
Total.....	41,937.96	71,052.15	73,603.30	558,269.84
LIABILITIES				
Debenture balance.....				73,398.79
Accounts payable.....	170.23	291.77	3.08	1,251.71
Bank overdraft.....	201.53			
Other liabilities.....	155.00	630.00		1,629.00
Total liabilities.....	526.76	921.77	3.08	76,279.50
RESERVES				
For equity in H-E.P.C. systems.....	15,621.79	29,930.88	37,780.00	277,080.51
Other reserves.....	34.74			701.02
	15,656.53	29,930.88	37,780.00	277,781.53
SURPLUS				
Debentures paid.....	6,341.45	6,000.00	6,000.00	120,861.59
Local sinking fund.....				
Operating surplus.....	19,413.22	34,199.50	29,820.22	83,347.22
Net frequency standardization expense charged this year.....				
Total surplus.....	25,754.67	40,199.50	35,820.22	204,208.81
Total.....	41,937.96	71,052.15	73,603.30	558,269.84

Utilities as at December 31, 1952

St. Thomas	Sarnia	Scarborough Twp. (V.A.)	Seaforth	Shelburne	Simcoe
\$	\$	\$	\$	\$	\$
191,670.62	227,641.56	473,695.95	1,836.39	800.00	11,905.59
175,282.50	400,305.47	141,841.58	24,157.89	566.60	76,261.92
208,493.09	588,430.03	1,117,332.53	48,000.31	33,757.76	102,156.56
101,034.54	240,298.83				1,412.24
127,459.83	315,627.03	638,585.30	30,087.81	20,394.56	84,796.26
99,705.43	291,031.65	399,748.71	17,406.88	12,235.51	60,978.78
40,738.31	54,516.55	103,144.79	6,694.37	9,511.65	44,356.81
19,089.48	105,862.11	122,097.98	2,991.92	189.73	14,256.60
963,473.80	2,223,713.23	2,996,446.84	131,175.57	77,455.81	396,124.76
285,227.87	385,622.35	230,885.30	17,862.42	20,289.97	90,009.52
678,245.93	1,838,090.88	2,765,561.54	113,313.15	57,165.84	306,115.24
300.00	20,676.31	650,955.77	14,470.17		2,210.20
30,000.00	15,000.00		9,000.00		
29,146.61	113,859.52	55,323.93	6,652.39	820.68	5,712.25
42,691.42	102,814.89	81,179.65	627.04		19,040.05
2,486.41	17,106.07	200.00	148.20	610.00	402.12
2,698.39			17,624.87		2,079.00
785,568.76	2,107,547.67	3,553,220.89	161,835.82	58,596.52	335,558.86
1,062,001.45	1,393,506.44	549,015.28	132,716.25	42,759.11	265,433.10
1,847,570.21	3,501,054.11	4,102,236.17	294,552.07	101,355.63	600,991.96
	398,400.00	2,040,500.00	42,520.19		
339.68	379,376.91	237,216.66	648.55	506.13	728.04
48,150.00	109,464.13			1,582.90	
26,231.90	27,876.31	215,836.11	1,077.55	96.00	3,649.46
74,721.58	915,117.35	2,493,552.77	44,246.29	2,185.03	4,377.50
1,062,001.45	1,393,506.44	549,015.28	132,716.25	42,759.11	265,433.10
339.26	18,924.62	24,663.82			
1,062,340.71	1,412,431.06	573,679.10	132,716.25	42,759.11	265,433.10
138,944.07	389,600.00	350,068.27	32,479.81	16,991.04	75,434.90
577,579.47	801,684.14	684,936.03	85,109.72	39,420.45	255,746.46
6,015.62	17,778.44				
710,507.92	1,173,505.70	1,035,004.30	117,589.53	56,411.49	331,181.36
1,847,570.21	3,501,054.11	4,102,236.17	294,552.07	101,355.63	600,991.96

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Smith's Falls	Smithville	Southamp- ton	Springfield
	\$	\$	\$	\$
ASSETS				
Lands and buildings.....	66,365.03		25.00	
Substation equipment.....	53,044.31			
Distribution system, overhead.....	137,324.83	17,533.43	49,367.10	14,970.71
Distribution system, underground.....				
Line transformers.....	74,715.71	6,410.81	29,769.47	7,048.55
Meters.....	60,458.52	6,659.30	17,618.50	3,139.60
Street light equipment, regular.....	32,072.60	1,871.10	8,177.27	1,594.71
Miscellaneous construction expense.....	5,589.23	1,645.41	648.79	167.34
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	429,570.23	34,120.05	105,606.13	26,920.91
Less reserve for depreciation.....	105,885.83	8,079.22	7,710.59	6,026.03
	323,684.40	26,040.83	97,895.54	20,894.88
Bank and cash balance.....	412.93	5,288.28	207.36	6,060.68
Securities and investments.....	17,000.00	12,500.00		500.00
Accounts receivable.....	1,608.34	410.92	442.29	154.34
Inventories.....	12,133.19	1,090.42		
Sinking fund on local debentures.....				
Other assets.....				
Frequency standardization expendi- ture in suspense.....				93.76
	354,838.86	45,330.45	98,545.19	27,703.66
Equity in H-E.P.C. systems.....	253,052.87	10,740.81	40,238.11	18,520.56
Total.....	607,891.73	56,071.26	138,783.30	46,224.22
LIABILITIES				
Debenture balance.....				
Accounts payable.....	1,050.52	132.51	1,821.78	95.76
Bank overdraft.....				
Other liabilities.....	400.33		204.17	35.00
Total liabilities.....	1,450.85	132.51	2,025.95	130.76
RESERVES				
For equity in H-E.P.C. systems.....	253,052.87	10,740.81	40,238.11	18,520.56
Other reserves.....	24.53			
	253,077.40	10,740.81	40,238.11	18,520.56
SURPLUS				
Debentures paid.....	122,787.33	15,000.00	30,522.93	9,500.00
Local sinking fund.....				
Operating surplus.....	230,576.15	30,197.94	65,996.31	18,072.90
Net frequency standardization ex- pense charged this year.....				
Total surplus.....	353,363.48	45,197.94	96,519.24	27,572.90
Total.....	607,891.73	56,071.26	138,783.30	46,224.22

Utilities as at December 31, 1952

Stamford Twp. (V.A.)	Stayner	Stirling	Stoney Creek	Stouffville	Stratford	Strathroy
\$	\$	\$	\$	\$	\$	\$
34,451.96		9,266.88			141,941.92	13,441.29
138,644.13		33,825.83			287,475.74	52,044.74
417,384.76	30,992.55	12,855.76	48,328.96	25,651.79	187,433.68	73,589.38
					22,971.15	
205,174.57	16,527.65	10,554.76	37,747.61	21,805.03	193,090.50	53,337.11
157,566.92	12,936.84	9,523.00	20,683.27	11,102.40	128,505.13	27,250.65
31,528.85	4,240.56	3,559.79	4,859.80	2,673.75	21,892.46	9,221.12
23,433.95	653.50	741.33	222.64		45,370.07	11,916.98
1,008,185.14	65,351.10	80,327.35	111,842.28	61,232.97	1,028,680.65	240,801.27
185,688.22	11,777.92	23,094.89	6,346.71	10,092.34	508,294.86	64,102.00
822,496.92	53,573.18	57,232.46	105,495.57	51,140.63	520,385.79	176,699.27
82,806.40	262.39	10,807.43	1,826.70	430.90	4,732.44	15,577.54
6,000.00	4,000.00			4,000.00	244,000.00	
45,061.64	560.38	1,872.22	257.20	95.12	34,058.37	1,184.97
24,816.92		1,567.09		255.00	51,545.66	524.22
					44,990.51	
2,421.19					895.69	539.78
1,975.00					110,971.11	
985,578.07	58,395.95	71,479.20	107,579.47	55,921.65	1,011,579.57	194,525.78
242,546.34	38,212.65	24,183.97	8,168.06	43,753.91	1,216,835.30	197,243.34
1,228,124.41	96,608.60	95,663.17	115,747.53	99,675.56	2,228,414.87	391,769.12
440,241.68			34,038.20		50,000.00	
1,587.42	484.41	15,067.51	15,992.44	1,628.18	1,757.92	2,716.86
9,276.87	344.18	410.93	650.00	911.02	34,622.85	
					7,732.44	1,742.59
451,105.97	828.59	15,478.44	50,680.64	2,539.20	94,113.21	4,459.45
242,546.34	38,212.65	24,183.97	8,168.06	43,753.91	1,216,835.30	197,243.34
16,907.73	25.20			50.96	3,100.78	121.05
259,454.07	38,237.85	24,183.97	8,168.06	43,804.87	1,219,936.08	197,364.39
275,036.49	9,557.26	10,000.00	5,961.80	14,673.90	405,800.00	53,888.85
248,459.96	47,984.90	46,000.76	50,937.03	38,657.59	44,900.51	
5,932.08					463,575.07	147,814.22
						11,757.79
517,564.37	57,542.16	56,000.76	56,898.83	53,331.49	914,365.58	189,945.28
1,228,124.41	96,608.60	95,663.17	115,747.53	99,675.56	2,228,414.87	391,769.12

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Streetsville	Sunderland	Sundridge*	Sutton
	\$	\$	\$	\$
ASSETS				
Lands and buildings	12,909.65			
Substation equipment.....	1,172.04			
Distribution system, overhead.....	18,842.27	10,602.79	20,209.59	32,548.62
Distribution system, underground.....				
Line transformers.....	15,273.86	4,467.81	9,375.80	26,903.79
Meters.....	10,051.24	4,646.68	3,104.98	16,286.10
Street light equipment, regular.....	4,544.22	1,190.32	1,236.14	3,149.33
Miscellaneous construction expense..	170.41		2,438.70	1,542.66
Steam or hydraulic plant.....	10,641.55			
Old plant.....			8,662.49	
Other capital assets.....				
Total plant.....	73,605.24	20,907.60	45,027.70	80,430.50
Less reserve for depreciation.....	10,013.11	5,034.71	2,050.00	17,155.11
	63,592.13	15,872.89	42,977.70	63,275.39
Bank and cash balance.....	1,921.95	6,658.29	3,615.56	9,190.53
Securities and investments.....				7,000.00
Accounts receivable.....	411.69	553.45	9,048.41	2,379.28
Inventories.....				
Sinking fund on local debentures.....				
Other assets.....	81.99			
Frequency standardization expenditure in suspense.....	75.00			
Equity in H-E.P.C. systems.....	66,082.76 18,113.48	23,084.63 21,678.18	55,641.67	81,845.20 42,830.81
Total.....	84,196.24	44,762.81	55,641.67	124,676.01
LIABILITIES				
Debenture balance.....			35,000.00	
Accounts payable.....	1,284.76	219.76	18,329.71	3,406.99
Bank overdraft.....				
Other liabilities.....	465.65	10.00		15.00
Total liabilities.....	1,750.41	229.76	53,329.71	3,421.99
RESERVES				
For equity in H-E.P.C. systems.....	18,113.48	21,678.18		42,830.81
Other reserves.....	128.81	36.67	1,638.28	148.87
	18,242.29	21,714.85	1,638.28	42,979.68
SURPLUS				
Debentures paid.....	17,545.08	4,627.78		25,325.00
Local sinking fund.....				
Operating surplus.....	46,658.46	18,190.42	673.68	52,949.34
Net frequency standardization expense charged this year.....				
Total surplus.....	64,203.54	22,818.20	673.68	78,274.34
Total.....	84,196.24	44,762.81	55,641.67	124,676.01

*6 months' operation.

Utilities as at December 31, 1952

Swansea	Tara	Tavistock	Tecumseh	Teeswater	Thamesford	Thamesville
\$	\$	\$	\$	\$	\$	\$
6,383.14		3,783.53	3,747.52	2,139.28		1,083.57
75,368.22						
147,521.15	18,774.67	25,768.75	67,900.00	28,795.65	15,680.64	24,183.98
75,845.72	5,665.52	14,257.90	22,701.48	11,395.69	8,157.24	16,010.16
50,592.33	4,245.06	9,777.82	24,498.34	7,754.29	5,641.92	8,148.79
25,040.20	2,782.30	1,392.54		4,306.12	767.43	3,066.93
21,723.12	112.92	5,688.74	1,006.74		206.03	772.08
402,473.88	31,580.47	60,669.28	119,854.08	54,391.03	30,453.26	53,265.51
68,149.06	4,848.77	18,136.46	33,120.87	10,018.91	5,820.40	14,130.88
334,324.82	26,731.70	42,532.82	86,733.21	44,372.12	24,632.86	39,134.63
69,051.54	4,897.13	4,467.04	14,271.55			50.00
		4,000.00	10,000.00	11,000.00		3,000.00
1,772.66	294.04	342.78	2,347.42	62.30	33.50	1,105.16
161.32		2,434.28	1,435.08			
81.68		134.00				3.36
55,339.04		6,168.22				
460,731.06	31,922.87	60,079.14	114,787.26	55,434.42	24,666.36	43,293.15
227,772.81	19,258.88	97,553.23	62,218.65	28,105.92	37,630.84	38,200.79
688,503.87	51,181.75	157,632.37	177,005.91	83,540.34	62,297.20	81,493.94
164,583.44		20,000.00			2,900.00	
836.03		2,126.64	1,421.85	88.90	186.21	547.19
				1,291.18	2,941.88	373.54
6,209.47			945.87	899.00	89.97	828.00
171,628.94		22,126.64	2,367.72	2,279.08	6,118.06	1,748.73
227,772.81	19,258.88	97,553.23	62,218.65	28,105.92	37,630.84	38,200.79
345.59		858.46	494.01			143.38
228,118.40	19,258.88	98,411.69	62,712.66	28,105.92	37,630.84	38,344.17
88,083.52	14,263.64	6,000.00	26,000.00	21,296.14	5,458.03	11,187.80
200,673.01	17,659.23	31,094.04	85,925.53	31,859.20	14,732.06	30,213.24
					1,641.79	
288,756.53	31,922.87	37,094.04	111,925.53	53,155.34	18,548.30	41,401.04
688,503.87	51,181.75	157,632.37	177,005.91	83,540.34	62,297.20	81,493.94

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Thedford	Thornbury	Thorndale	Thornton	Thorold
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....					18,605.59
Substation equipment.....		4,304.73			51,484.52
Distribution system, overhead.....	16,517.58	31,975.01	10,920.66	8,337.82	112,681.72
Distribution system, underground.....					
Line transformers.....	10,580.67	24,126.84	3,698.50	3,178.16	60,203.61
Meters.....	6,062.42	8,975.46	3,493.84	1,676.27	45,331.01
Street light equipment, regular.....	1,754.38	2,599.12	417.81	560.01	14,668.55
Miscellaneous construction expense.....	185.86	531.25	26.10		11,846.26
Steam or hydraulic plant.....		36,000.00			
Old plant.....					
Other capital assets.....					
Total plant.....	35,100.91	108,512.41	18,556.91	13,752.26	314,821.26
Less reserve for depreciation.....	3,793.84	4,901.19	4,729.69	7,688.92	49,254.32
	31,307.07	103,611.22	13,827.22	6,063.34	265,566.94
Bank and cash balance.....	3,470.40	32.48	1,632.48	564.54	16,619.84
Securities and investments.....	8,000.00		1,100.00		
Accounts receivable.....	311.82	673.72	508.47	182.20	13,465.80
Inventories.....		50.05			12,680.17
Sinking fund on local debentures.....					
Other assets.....		779.04		86.85	
Frequency standardization expenditure in suspense.....					
	43,089.29	105,146.51	17,068.17	6,896.93	308,332.75
Equity in H-E.P.C. systems.....	22,516.97	3,883.91	18,301.53	7,295.54	247,304.06
Total.....	65,606.26	109,030.42	35,369.70	14,192.47	555,636.81
LIABILITIES					
Debenture balance.....		34,488.70			60,000.00
Accounts payable.....	304.11	4,086.72		368.06	23,566.42
Bank overdraft.....					
Other liabilities.....	297.83	70.00	51.57	50.00	3,342.50
Total liabilities.....	601.94	38,645.42	51.57	418.06	86,908.92
RESERVES					
For equity in H-E.P.C. systems.....	22,516.97	3,883.91	18,301.53	7,295.54	247,304.06
Other reserves.....		1,356.25	27.73		2,114.09
	22,516.97	5,240.16	18,329.26	7,295.54	249,418.15
SURPLUS					
Debentures paid.....	16,500.00	51,511.30	3,086.48	7,199.65	5,000.00
Local sinking fund.....					
Operating surplus.....	27,716.63	13,633.54	14,722.68	*720.78	214,446.94
Net frequency standardization expense charged this year.....	1,729.28		820.29		137.20
Total surplus.....	42,487.35	65,144.84	16,988.87	6,478.87	219,309.74
Total.....	65,606.26	109,030.42	35,369.70	14,192.47	555,636.81

*Deficit.

Utilities as at December 31, 1952

Tilbury	Tillsonburg	Toronto	Toronto Twp. (V.A.)	Tottenham	Trafalgar Twp. (V.A.)
\$	\$	\$	\$	\$	\$
11,987.47	30,585.55	7,646,398.29	128,384.37		19,938.73
	76,089.55	20,328,215.19	92,150.92		
40,766.76	101,727.57	9,399,182.49	785,871.43	14,856.51	138,889.02
		5,746,675.82			
31,488.11	80,418.38	7,188,391.96	364,662.00	6,081.38	71,999.98
17,128.15	46,944.19	3,905,862.91	180,731.56	4,657.89	34,196.05
18,477.33	34,609.34	1,065,370.28	63,899.23	1,797.73	192.54
1,734.19	16,914.46	3,239,355.58	85,662.83	805.51	22,927.80
121,582.01	387,289.04	58,519,452.52	1,701,362.34	28,199.02	288,144.12
37,634.68	41,877.99	21,216,097.09	219,156.06	3,626.40	22,450.80
83,947.33	345,411.05	37,303,355.43	1,482,206.28	24,572.62	265,693.32
8,480.64	200.00	427,041.61	24,176.84	2,391.51	50.00
10,000.00		14,546,575.00	8,000.00		
1,100.27	1,126.11	2,466,562.91	47,793.94	230.56	9,885.41
	4,842.35	3,012,317.25	64,206.16		17,377.39
145.12	922.62	166,439.67	1,040.27	120.00	313.07
21.00			103,123.25		
103,694.36	352,502.13	47,922,291.87	1,730,546.74	27,314.69	293,319.19
118,762.93	200,752.02	*44,104,866.50	339,222.35	23,541.09	39,255.17
222,457.29	553,254.15	92,027,158.37	2,069,769.09	50,855.78	332,574.36
	120,554.02		593,495.30	7,750.60	72,796.63
1,768.39		2,699,434.39	451,305.45	195.17	109,962.56
92.25	23,001.35				5,762.44
	5,939.64	165,572.31	11,455.62	318.25	3,293.09
1,860.64	149,495.01	2,865,006.70	1,056,256.37	8,264.02	191,814.72
118,762.93	200,752.02	44,104,866.50	339,222.35	23,541.09	39,255.17
148.60	122.69	5,995,731.76	3,738.42		471.91
118,911.53	200,874.71	50,100,598.26	342,960.77	23,541.09	39,727.08
14,000.00	45,445.98	29,290,934.57	135,504.70	13,684.37	36,090.93
87,685.12	157,438.45	9,770,618.84	535,047.25	5,366.30	64,941.63
101,685.12	202,884.43	39,061,553.41	670,551.95	19,050.67	101,032.56
222,457.29	553,254.15	92,027,158.37	2,069,769.09	50,855.78	332,574.36

†Estimated market value, Dec. 31, 1952.

*Includes 1952 H-E.P.C. equity.

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Trenton	Tweed	Uxbridge	Victoria Harbour
ASSETS	\$	\$	\$	\$
Lands and buildings	6,604.06			
Substation equipment	88,433.58		2,657.65	
Distribution system, overhead	225,788.42	33,054.72	31,320.28	15,348.88
Distribution system, underground				
Line transformers	72,863.02	17,092.00	17,527.31	4,229.13
Meters	70,382.86	11,220.34	13,165.21	6,218.38
Street light equipment, regular	36,056.63	4,446.04	11,094.16	540.10
Miscellaneous construction expense ..	5,907.38	18.00	434.53	161.63
Steam or hydraulic plant				
Old plant				
Other capital assets				
Total plant	506,035.95	65,831.10	76,199.14	26,498.12
Less reserve for depreciation	139,686.70	11,994.67	9,044.36	8,114.16
	336,349.25	53,836.43	67,154.78	18,383.96
Bank and cash balance	200.00	23,181.56	7,146.21	2,167.25
Securities and investments	105,500.00	23,000.00	10,000.00	1,500.00
Accounts receivable	3,631.71	1,239.42	1,466.64	365.01
Inventories	15,665.10	1,188.32	49.82	
Sinking fund on local debentures				
Other assets	181.00	1,350.00	292.79	425.00
Frequency standardization expendi- ture in suspense				
	491,527.06	103,795.73	86,110.24	22,841.22
Equity in H-E.P.C. systems	269,000.77	30,096.55	47,568.07	14,158.14
Total	760,527.83	133,892.28	133,678.31	36,999.36
LIABILITIES				
Debtenture balance				
Accounts payable	286.86	2,890.54	1,023.08	218.65
Bank overdraft	32,721.35			
Other liabilities	6,815.74	389.00	1,202.00	
Total liabilities	39,823.95	3,279.54	2,225.08	218.65
RESERVES				
For equity in H-E.P.C. systems	269,000.77	30,096.55	47,568.07	14,158.14
Other reserves		92.91	184.37	
	269,000.77	30,189.46	47,752.44	14,158.14
SURPLUS				
Debentures paid	164,586.70	19,000.00	15,364.09	5,878.70
Local sinking fund				
Operating surplus	287,116.41	81,423.28	68,336.70	16,743.87
Net frequency standardization ex- pense charged this year				
Total surplus	451,703.11	100,423.28	83,700.79	22,622.57
Total	760,527.83	133,892.28	133,678.31	36,999.36

Utilities as at December 31, 1952

Walkerton	Wallaceburg	Wardsville	Warkworth	Waterdown	Waterford
\$	\$	\$	\$	\$	\$
47.92	56,896.05			200.00	1,353.44
	106,053.60				
66,943.97	164,734.65	9,028.70	8,529.09	34,509.45	21,587.52
41,614.56	119,152.58	4,106.89	3,956.70	15,146.59	18,240.80
26,242.64	62,036.10	2,746.89	3,497.62	10,993.39	13,227.75
10,873.63	16,073.02	662.94	767.81	1,901.14	3,764.05
3,540.48	13,699.96	81.97	609.19	1,693.30	1,396.87
			3,618.02		
149,263.20	538,645.96	16,627.39	20,978.43	64,443.87	59,570.43
15,469.42	121,703.49	3,702.77	6,465.88	15,553.56	18,020.88
133,793.78	416,942.47	12,924.62	14,512.55	48,890.31	41,549.55
3,190.06	75.00	1,066.88	1,490.98		4,416.92
40,000.00	42,000.00	1,500.00	4,200.00	2,000.00	11,000.00
481.40	36,822.20	941.29	103.30	496.48	271.71
14,842.55	45,282.09				
				43.62	15.00
192,307.79	541,121.76	16,432.79	20,306.83	51,430.41	57,253.18
65,754.43	482,184.82	8,798.64	9,773.04	46,566.35	68,594.68
258,062.22	1,023,306.58	25,231.43	30,079.87	97,996.76	125,847.86
			1,465.14		
50.00	388.52	374.76	59.55	4,807.61	193.12
	34,637.81			1,066.15	
1,196.00	4,490.51	5.00	21.20	179.28	327.00
1,246.00	39,516.84	379.76	1,545.89	6,053.04	520.12
65,754.43	482,184.82	8,798.64	9,773.04	46,566.35	68,594.68
26.85	5,311.97	25.22			
65,781.28	487,496.79	8,823.86	9,773.04	46,566.35	68,594.68
56,748.57	71,536.58	7,562.40	9,534.86	8,000.00	7,745.53
134,286.37	445,725.27	8,465.41	9,226.08	37,377.37	48,987.53
	20,968.90				
191,034.94	496,292.95	16,027.81	18,760.94	45,377.37	56,733.06
258,062.22	1,023,306.58	25,231.43	30,079.87	97,996.76	125,847.86

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Waterloo	Watford	Waubashene (V.A.)	Welland
ASSETS	\$	\$	\$	\$
Lands and buildings.....	23,882.15	18,681.26		106,167.19
Substation equipment.....	199,562.93			182,148.03
Distribution system, overhead.....	198,947.70	20,530.84	13,720.00	263,319.38
Distribution system, underground.....				9,495.59
Line transformers.....	150,053.26	10,555.65	5,178.15	174,121.55
Meters.....	82,176.98	9,579.55	5,468.29	128,111.98
Street light equipment, regular.....	29,532.01	2,824.74	613.97	50,597.54
Miscellaneous construction expense.....	21,579.62	691.07	11.00	18,246.37
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	705,734.65	62,863.11	24,991.41	932,207.63
Less reserve for depreciation.....	221,920.90	15,852.21	4,324.39	302,113.58
	483,813.75	47,010.90	20,667.02	630,094.05
Bank and cash balance.....	200.00	5,943.66		150.00
Securities and investments.....		8,000.00		73,000.00
Accounts receivable.....	46,568.16	1,674.51	1,156.27	3,899.93
Inventories.....	65,718.19	913.06		25,428.52
Sinking fund on local debentures.....				
Other assets.....	1,171.21	192.15	15.87	72.98
Frequency standardization expenditure in suspense.....	481.83			909.00
	597,953.14	63,734.28	21,839.16	733,554.48
Equity in H-E.P.C. systems.....	618,369.58	56,594.51	11,573.91	772,743.07
Total.....	1,216,322.72	120,328.79	33,413.07	1,506,297.55
LIABILITIES				
Debenture balance.....	95,000.00			
Accounts payable.....	141,169.78	1,313.74	2,058.54	48,039.20
Bank overdraft.....	109.34		88.39	2,144.72
Other liabilities.....	7,360.00	397.10	210.00	18,748.27
Total liabilities.....	243,639.12	1,710.84	2,356.93	68,932.19
RESERVES				
For equity in H-E.P.C. systems.....	618,369.58	56,594.51	11,573.91	772,743.07
Other reserves.....	3,537.69	57.42	125.00	1,629.18
	621,907.27	56,651.93	11,698.91	774,372.25
SURPLUS				
Debentures paid.....	111,000.00	9,055.77	3,242.34	275,000.00
Local sinking fund.....				
Operating surplus.....	239,776.33	52,910.25	16,114.89	387,993.11
Net frequency standardization expense charged this year.....				
Total surplus.....	350,776.33	61,966.02	19,357.23	662,993.11
Total.....	1,216,322.72	120,328.79	33,413.07	1,506,297.55

Utilities as at December 31, 1952

Wellesley	Wellington	West Lorne	Weston	Westport	Wheatley	Whitby
\$	\$	\$	\$	\$	\$	\$
225.00	22,593.56	38,721.25	126,048.15	52.50	91,586.94	34,288.16
12,014.36	17,999.68	21,184.96	189,702.06	10,680.97	31,649.48	113,296.99
6,245.82	12,410.49	16,083.79	123,343.02	5,994.66	18,058.28	41,989.73
5,338.31	10,568.25	8,769.02	60,228.32	4,180.02	10,471.68	39,856.90
1,183.50	4,528.89	4,349.44	18,209.82	1,255.67	9,864.52	16,765.61
1,119.28	1,532.59	538.61	8,253.77	126.34	863.85	14,912.91
25,901.27	47,264.90	73,519.38	564,506.39	22,237.66	70,960.31	352,697.24
6,528.81	19,461.67	16,680.89	101,484.30	3,800.67	12,043.56	77,466.83
19,372.46	27,803.23	56,838.49	463,022.09	18,436.99	58,916.75	275,230.41
2,109.53	4,100.03	1,717.47	8,838.80	2,897.46	4,386.18	4,335.50
6,000.00	14,500.00	707.41	58,204.79	3,500.00	134.52	10,000.00
	3,009.89	405.41	18,495.61	4.64		7,237.98
		188.88			59.50	14,046.60
		18.58	401.38			177.36
27,481.99	50,120.56	59,907.88	548,962.67	24,839.09	63,496.95	311,027.85
31,985.76	26,073.13	55,671.73	534,971.30	14,233.21	34,576.09	132,202.85
59,467.75	76,193.69	115,579.61	1,083,933.97	39,072.30	98,073.04	443,230.70
			142,800.00		8,083.08	
	513.79	20.41	149.46	157.55	99.66	2,726.79
15.00	46.25	82.00	3,810.25	337.42	140.00	3,499.89
15.00	560.04	102.41	146,759.71	494.97	8,322.74	6,226.68
31,985.76	26,073.13	55,671.73	534,971.30	14,233.21	34,576.09	132,202.85
		65.12	5,523.55		44.30	
31,985.76	26,073.13	55,736.85	540,494.85	14,233.21	34,620.39	132,202.85
7,500.00	13,816.12	8,000.00	73,732.44	15,000.00	13,916.92	76,612.50
19,966.99	35,744.40	51,740.35	322,946.97	9,344.12	41,212.99	228,188.67
27,466.99	49,560.52	59,740.35	396,679.41	24,344.12	55,129.91	304,801.17
59,467.75	76,193.69	115,579.61	1,083,933.97	39,072.30	98,073.04	443,230.70

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Wiar-ton	Williamsburg	Winchester	Windermere
ASSETS	\$	\$	\$	\$
Lands and buildings.....	760.12		299.85	
Substation equipment.....	333.57			
Distribution system, overhead.....	38,457.64	8,949.81	22,836.82	11,837.23
Distribution system, underground.....				
Line transformers.....	18,531.83	4,864.35	14,405.77	8,459.14
Meters.....	14,837.03	2,943.06	10,173.01	2,285.99
Street light equipment, regular.....	6,298.76	1,699.78	3,158.33	333.57
Miscellaneous construction expense..	3,525.13	35.38	122.00	117.45
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	82,744.08	18,492.38	50,995.78	23,033.38
Less reserve for depreciation.....	8,463.08	1,930.85	12,442.63	6,249.26
	74,281.00	16,561.53	38,553.15	16,784.12
Bank and cash balance.....	5,129.45	1,452.32	3,650.67	2,057.96
Securities and investments.....	17,000.00	15,000.00	7,000.00	1,600.00
Accounts receivable.....	1,812.71	883.94	269.39	164.31
Inventories.....	3,241.08			
Sinking fund on local debentures.....				
Other assets.....				144.80
Frequency standardization expenditure in suspense.....				
	101,464.24	33,897.79	49,473.21	20,751.19
Equity in H-E.P.C. systems.....	41,249.20	13,482.76	45,895.43	6,681.60
Total.....	142,713.44	47,380.55	95,368.64	27,432.79
LIABILITIES				
Debenture balance.....				
Accounts payable.....	3,926.68		163.53	91.26
Bank overdraft.....				
Other liabilities.....	172.21	303.43	10.00	
Total liabilities.....	4,098.89	303.43	173.53	91.26
RESERVES				
For equity in H-E.P.C. systems.....	41,249.20	13,482.76	45,895.43	6,681.60
Other reserves.....	84.95	310.82		
	41,334.15	13,793.58	45,895.43	6,681.60
SURPLUS				
Debentures paid.....	37,400.00	2,750.00	9,206.06	11,237.65
Local sinking fund.....				
Operating surplus.....	59,880.40	30,533.54	40,093.62	9,422.28
Net frequency standardization expense charged this year.....				
Total surplus.....	97,280.40	33,283.54	49,299.68	20,659.93
Total.....	142,713.44	47,380.55	95,368.64	27,432.79

Utilities as at December 31, 1952

Windsor	Wingham	Woodbridge	Woodstock	Woodville	Wyoming
\$	\$	\$	\$	\$	\$
624,828.66	25,887.84		149,680.74		100.00
2,070,155.69	7,318.18		207,672.86		
1,765,191.70	65,026.23	33,596.45	285,723.73	4,850.20	16,517.84
673,038.08					
835,931.67	29,923.78	19,641.97	142,482.79	2,766.26	6,662.94
836,049.71	27,692.80	12,961.44	147,293.66	3,206.45	6,943.39
105,106.59	12,643.30	3,524.51	37,666.84	776.55	1,652.98
139,877.93	13,170.34	28.40	24,794.96		50.80
	14,711.99		8,252.40		
7,050,180.03	196,374.46	69,752.77	1,003,567.98	11,599.46	31,927.95
2,419,567.43	51,690.53	17,682.31	264,384.24	3,161.75	7,703.11
4,630,612.60	144,683.93	52,070.46	739,183.74	8,437.71	24,224.84
1,500.00	9,151.28	6,286.35	400.00	1,964.54	2,816.43
1,085,646.76	25,000.00	7,000.00	100,000.00	5,000.00	2,100.00
388,148.10	939.34	1,331.31	14,500.81	293.15	334.96
637,982.74	10,222.77		933.84		
123,859.10					
515.30	193.21		306.29	75.00	
6,868,264.60	190,190.53	66,688.12	855,324.68	15,770.40	29,476.23
*7,180,890.61	94,024.42	80,855.40	916,481.15	19,786.51	18,666.99
14,049,155.21	284,214.95	147,543.52	1,771,805.83	35,556.91	48,143.22
190,000.00			131,667.53		
214,348.13	26.57	6,703.29	5,163.67	362.97	1,339.04
330,131.00			102,538.91		
140,769.98	2,134.15	1,315.79	11,231.61	10.00	83.89
875,249.11	2,160.72	8,019.08	250,601.72	372.97	1,422.93
7,180,890.61	94,024.42	80,855.40	916,481.15	19,786.51	18,666.99
268,296.16		150.00	952.03	481.67	137.95
7,449,186.77	94,024.42	81,005.40	917,433.18	20,268.18	18,804.94
2,393,832.05	81,155.39	8,499.97	155,718.10	5,248.09	9,700.00
123,859.10					
3,496,997.29	106,874.42	53,522.79	450,905.68	9,667.67	18,215.35
289,969.11		3,503.72	2,852.85		
5,724,719.33	188,029.81	58,519.04	603,770.93	14,915.76	27,915.35
14,049,155.21	284,214.95	147,543.52	1,771,805.83	35,556.91	48,143.22

*Includes 1952 H-E.P.C. equity.

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Concluded

NORTHERN

Municipality.....	York Twp. (V.A.)	Zurich	TOTAL SOUTHERN ONTARIO SYSTEM	Cache Bay
ASSETS	\$	\$	\$	\$
Lands and buildings	271,306.77		20,233,730.93	
Substation equipment.....	550,264.76		43,052,635.46	
Distribution system, overhead	1,252,825.18	11,192.76	46,163,185.64	32,117.49
Distribution system, underground			11,985,221.93	
Line transformers	831,978.16	7,549.19	28,652,612.00	6,735.67
Meters.....	509,798.29	5,636.44	18,947,847.03	2,793.52
Street light equipment, regular.....	157,719.96	941.37	6,241,006.56	1,700.51
Miscellaneous construction expense	31,212.65	152.50	6,322,638.35	1,212.15
Steam or hydraulic plant.....			3,082,182.94	
Old plant.....			67,056.46	1,470.00
Other capital assets.....			278,114.00	
Total plant.....	3,605,105.77	25,472.26	185,026,231.30	46,029.34
Less reserve for depreciation.....	1,120,351.80	3,614.08	48,720,965.81	1,744.00
	2,484,753.97	21,858.18	136,305,265.49	44,285.34
Bank and cash balance.....	105,698.57	1,470.30	4,362,189.91	4,483.78
Securities and investments.....	100,000.00	5,500.00	10,578,688.08	
Accounts receivable.....	158,334.05	185.52	7,106,820.66	96.97
Inventories.....	72,076.28		7,709,774.64	
Sinking fund on local debentures.....			168,849.61	
Other assets.....			746,477.56	
Frequency standardization expenditure in suspense.....	141,064.10		1,093,950.06	
	3,061,926.97	29,014.00	168,072,016.01	48,866.09
Equity in H-E.P.C. systems.....	1,834,786.63	28,478.07	120,684,626.94	
Total.....	4,896,713.60	57,492.07	288,756,642.95	48,866.09
LIABILITIES				
Debenture balance.....			22,884,399.21	24,000.00
Accounts payable.....	126,376.39	3,002.25	8,233,979.00	18,959.73
Bank overdraft.....			1,390,186.67	
Other liabilities.....	188,376.03	67.30	1,587,933.28	80.00
Total liabilities.....	314,752.42	3,069.55	34,096,498.16	43,039.73
RESERVES				
For equity in H-E.P.C. systems.....	1,834,786.63	28,478.07	120,684,626.94	
Other reserves.....	128,061.94		7,678,372.16	22.15
	1,962,848.57	28,478.07	128,362,999.10	22.15
SURPLUS				
Debentures paid	489,374.65	5,591.61	58,690,967.07	4,000.00
Local sinking fund.....			168,849.61	
Operating surplus.....	2,129,737.96	22,508.09	68,079,287.32	1,804.21
Net frequency standardization expense charged this year.....		2,155.25	641,958.31	
Total surplus.....	2,619,112.61	25,944.45	126,297,145.69	5,804.21
Total.....	4,896,713.60	57,492.07	288,756,642.95	48,866.09

Utilities as at December 31, 1952

ONTARIO PROPERTIES

Capreol	Fort William	Hearst	Larder Lake Twp. (V.A.)	Latchford	McGarry Imp. Dist.	Nipigon Twp. (V.A.)
\$	\$	\$	\$	\$	\$	\$
450.00	183,095.67	4,165.00	500.00			215.03
40,928.44	473,828.25	26,287.74				
20,489.43	690,626.91	44,210.93	20,215.44	12,731.61	23,213.08	35,819.73
13,803.27	221,906.97	13,065.39	12,265.89	3,497.89	10,716.10	15,686.29
11,913.33	184,057.07	13,434.50	11,163.34	3,558.00	8,235.44	10,880.69
5,426.90	139,923.30	252.09	2,478.52	1,361.74	2,552.03	6,158.52
4,081.22	62,398.43	4,720.08	2,709.00	1,251.26	532.13	2,057.50
		72,510.00				
		19,178.00				
97,092.59	1,955,836.60	197,823.73	49,332.19	22,400.50	45,248.78	70,817.76
10,534.57	405,069.29	12,086.32	14,270.00	1,165.00	8,421.00	9,727.47
86,558.02	1,550,767.31	185,737.41	35,062.19	21,235.50	36,827.78	61,090.29
12,226.22	79,270.40	9,459.74	5,444.74	2,082.84		3,372.14
	355,300.00					11,000.00
2,444.00	72,242.23	2,674.83	2,684.85	57.45	1,319.75	744.98
96.00	70,908.34					26.24
	202,589.09					
	5,120.80					
101,324.24	2,336,198.17	197,871.98	43,191.78	23,375.79	38,147.53	76,233.65
	2,578,439.93					41,974.83
101,324.24	4,914,638.10	197,871.98	43,191.78	23,375.79	38,147.53	118,208.48
48,500.00	658,000.00	140,000.00	15,200.00	17,900.00	12,500.00	
4,474.78	84,515.81	45,825.83	158.64			390.82
635.00	54,153.27	1,685.55	5,127.72	190.00	206.27	786.44
53,609.78	796,669.08	187,511.38	20,486.36	18,090.00	3,671.14	
	2,578,439.93				16,377.41	1,177.26
82.34	9,136.32	4,794.80	10.87			41,974.83
82.34	2,587,576.25	4,794.80	10.87			41,974.83
20,500.00	156,209.11		2,800.00	2,100.00	1,500.00	10,000.00
27,132.12	202,589.09					
	1,171,594.57	5,565.80	19,894.55	3,185.79	20,270.12	65,056.39
47,632.12	1,530,392.77	5,565.80	22,694.55	5,285.79	21,770.12	75,056.39
101,324.24	4,914,638.10	197,871.98	43,191.78	23,375.79	38,147.53	118,208.48

Balance Sheets of Municipal Electrical

NORTHERN ONTARIO PROPERTIES—Concluded

Municipality.....	North Bay	Port Arthur	Red Rock Imp. Dist.	Schreiber Twp. (V.A.)
ASSETS	\$	\$	\$	\$
Lands and buildings.....	63,149.31	562,266.25		6,937.08
Substation equipment.....	190,335.93	516,338.92	900.00	
Distribution system, overhead.....	259,148.80	753,904.93	23,924.18	40,338.00
Distribution system, underground.....				
Line transformers.....	114,541.61	241,913.25	12,053.35	10,152.11
Meters.....	128,622.34	217,295.03	5,376.01	9,748.49
Street light equipment, regular.....	45,263.02	126,770.40	3,601.86	3,649.91
Miscellaneous construction expense.....	11,540.46	44,313.03	2,736.51	1,812.33
Steam or hydraulic plant.....		350,456.55		
Old plant.....				14,562.18
Other capital assets.....				
Total plant.....	812,601.47	2,813,258.36	48,591.91	87,200.10
Less reserve for depreciation.....	279,657.88	1,065,758.01	4,108.44	4,340.90
	532,943.59	1,747,500.35	44,483.47	82,859.20
Bank and cash balance.....		121,462.03	13,379.20	17,062.78
Securities and investments.....		546,083.13		
Accounts receivable.....	15,998.83	73,734.37	486.89	6,131.05
Inventories.....	49,890.30	62,264.57		160.54
Sinking fund on local debentures.....				16,971.13
Other assets.....	6,729.87	37,390.47		
Frequency standardization expenditure in suspense.....				
	605,562.59	2,588,434.92	58,349.56	123,184.70
Equity in H-E.P.C. systems.....		5,300,456.40	12,169.17	12,374.25
Total.....	605,562.59	7,888,891.32	70,518.73	135,558.95
LIABILITIES				
Debenture balance.....			25,350.00	34,500.00
Accounts payable.....	153,633.63	88,562.07	6,155.28	1,762.16
Bank overdraft.....	15,414.09			
Other liabilities.....	52,985.04			
Total liabilities.....	222,032.76	88,562.07	31,505.28	36,262.16
RESERVES				
For equity in H-E.P.C. systems.....		5,300,456.40	12,169.17	12,374.25
Other reserves.....	2,905.39	234,066.32		
	2,905.39	5,534,522.72	12,169.17	12,374.25
SURPLUS				
Debentures paid.....	228,157.68	626,317.40	5,850.00	15,500.00
Local sinking fund.....				16,971.13
Operating surplus.....	152,466.76	1,639,489.13	20,994.28	54,451.41
Net frequency standardization expense charged this year.....				
Total surplus.....	380,624.44	2,265,806.53	26,844.28	86,922.54
Total.....	605,562.59	7,888,891.32	70,518.73	135,558.95

Utilities as at December 31, 1952

Sioux Lookout	Sturgeon Falls	Sudbury	Terrace Bay Imp. Dist.	TOTAL NORTHERN ONTARIO PROPERTIES	TOTAL ALL SYSTEMS
\$	\$	\$	\$	\$	\$
7,653.66		269,664.40		1,098,096.40	21,331,827.33
	40,062.49	477,600.19		1,766,281.96	44,818,917.42
30,586.61	72,266.67	646,064.97	67,267.74	2,772,926.52	48,936,112.16
					11,985,221.93
16,881.02	27,468.31	290,347.79	19,934.12	1,030,969.03	29,683,581.03
15,319.79	26,946.33	241,612.99	12,121.96	903,078.83	19,850,925.86
9,873.39	5,221.65	161,999.56	14,925.46	531,158.86	6,772,165.42
1,181.33	5,786.48	59,773.25	2,860.79	208,965.95	6,531,604.30
				422,966.55	3,505,149.49
				35,210.18	102,266.64
					278,114.00
81,495.80	177,751.93	2,147,063.15	117,110.07	8,769,654.28	193,795,885.58
10,325.54	34,641.31	393,481.05	9,032.00	2,264,362.78	50,985,328.59
71,170.26	143,110.62	1,753,582.10	108,078.07	6,505,291.50	142,810,556.99
17,262.40			20,032.89	305,539.16	4,667,729.07
1,648.80		50,000.00		964,031.93	11,542,720.01
1,827.70	12,507.56	84,602.80	2,252.83	279,807.09	7,386,627.75
5,042.74		103,239.44		291,628.17	8,001,402.81
				219,560.22	388,409.83
				49,241.14	795,718.70
					1,093,950.06
96,951.90	155,618.18	1,991,424.34	130,363.79	8,615,099.21	176,687,115.22
			25,893.85	7,971,308.43	128,655,935.37
96,951.90	155,618.18	1,991,424.34	156,257.64	16,586,407.64	305,343,050.59
		228,689.66	70,200.00	1,274,839.66	24,159,238.87
1,185.54	77,528.17	201,093.60		684,246.06	8,918,225.06
	418.75	50,751.65		66,790.76	1,456,977.43
3,225.77	4,326.64	48,032.96		174,899.53	1,762,832.81
4,411.31	82,273.56	528,567.87	70,200.00	2,200,776.01	36,297,274.17
			25,893.85	7,971,308.43	128,655,935.37
	771.80	78,589.64		330,379.63	8,008,751.79
	771.80	78,589.64	25,893.85	8,301,688.06	136,664,687.16
		488,648.87	7,800.00	1,569,383.06	60,260,350.13
				219,560.22	388,409.83
92,540.59	72,572.82	895,617.96	52,363.79	4,295,000.29	72,374,287.61
					641,958.31
92,540.59	72,572.82	1,384,266.83	60,163.79	6,083,943.57	132,381,089.26
96,951.90	155,618.18	1,991,424.34	156,257.64	16,586,407.64	305,343,050.59

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM

Municipality.....	Acton	Agincourt	Ailsa Craig	Alexandria	Alliston
Population.....	3,020	1,041	510	2,236	2,113
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	35,152.82	17,910.82	6,203.30	19,195.41	27,646.75
Commercial light service.....	14,471.97	5,777.30	2,778.60	15,957.06	14,650.29
Commercial power service.....	55,270.43	8,631.55	2,681.21	13,208.74	13,433.92
Municipal power.....	1,576.76			1,781.16	1,174.01
Street lighting.....	3,660.71	1,754.00	716.00	2,343.67	2,211.70
Merchandise.....	780.88				14.85
Miscellaneous.....	527.30	97.35	77.86	995.10	685.81
Total earnings.....	111,440.87	34,171.02	12,456.97	53,481.14	59,817.33
EXPENSES					
Power purchased.....	86,180.56	23,817.41	8,522.02	29,245.49	33,897.63
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	5,641.49	263.27	227.92	2,943.83	2,560.28
Line transformer maintenance.....	97.13	141.87	100.41	181.98	305.53
Meter maintenance.....	840.87	28.84	27.71	356.73	721.30
Consumers' premises expenses.....	104.24	161.64		8.50	2,871.43
Street lighting, operation and maintenance.....	455.98	457.07	62.52	490.41	375.39
Promotion of business.....					
Billing and collecting.....	1,959.07	1,123.08	599.01	1,739.89	1,908.05
General office, salaries and expenses.....	1,802.13	500.21	115.11	1,640.32	1,935.49
Undistributed expenses.....	817.90		18.75	364.23	117.09
Truck operation and maintenance.....	467.22			803.72	711.61
Interest.....	3.10		145.99	10.95	2.23
Sinking fund and principal payments on debentures.....					
Depreciation.....	3,010.00	1,418.00	643.00	3,097.00	2,490.00
Other reserves.....		30.00			68.88
Total operating costs and fixed charges.....	101,379.69	27,941.39	10,462.44	40,883.05	47,964.91
Net surplus.....	10,061.18	6,229.63	1,994.53	12,598.09	11,852.42
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	783	311	178	554	590
Commercial light service.....	114	44	42	152	140
Power service.....	27	8	4	16	30
Total.....	924	363	224	722	760

Statement B includes 327 municipalities of group 1, see page 30.

Utilities for Year Ended December 31, 1952

Almonte	Alvinston	Amherstburg	Ancaster Twp. (VA)	Apple Hill	Arkona	Arnprior
2,499	678	3,686		464	342	4,528
\$	\$	\$	\$	\$	\$	\$
28,426.44	5,533.17	51,512.71	41,317.72	2,384.48	5,828.95	45,111.59
11,377.36	4,605.65	22,673.47	9,068.57	1,063.39	2,979.61	26,208.34
20,788.58	1,869.30	19,993.47	1,376.90	339.08	1,455.24	33,206.70
1,625.46	244.32		633.39			2,410.88
3,427.50	1,715.00	3,911.72	1,633.50	522.00	1,332.00	5,546.20
1,898.93						188.39
3,417.34	307.54	474.96	618.71	82.81	38.05	1,907.28
70,961.61	14,274.98	98,566.33	54,648.79	4,391.76	11,633.85	114,579.38
19,172.33	7,601.62	70,403.01	28,648.45	1,967.43	6,080.28	81,155.37
12,326.74						
195.50						
3,075.48	341.83	6,338.41	3,042.31	320.13	161.50	3,120.24
232.95	11.78	1,660.23	1,272.32		34.21	614.62
707.69	160.08	939.92	642.11	8.75	31.10	1,204.80
60.56		1,469.79			60.00	79.97
349.60	289.83	656.79	383.53	104.35	137.97	958.45
4,033.01	972.08	2,653.00	2,041.85	347.21	461.86	4,034.06
3,221.98	586.54	4,141.61	1,588.09	113.07	276.58	4,239.14
462.73	30.72		309.67		6.67	202.50
785.01		933.13	2,309.35			
542.07			2,988.40		7.71	
2,515.27						
6,443.00	1,268.00	2,855.00	2,453.00	325.00	761.00	3,721.00
54,123.92	11,262.48	92,050.89	45,679.08	3,185.94	8,018.88	99,330.15
16,837.69	3,012.50	6,515.44	8,969.71	1,205.82	3,614.97	15,249.23
762	251	974	621	84	140	1,156
125	61	187	45	21	40	174
26	7	21	6	1	3	34
913	319	1,182	672	106	183	1,364

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Arthur	Athens	Aurora	Aylmer	Ayr
Population.....	1,052	841	3,554	3,645	910
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	13,059.39	8,733.14	53,498.04	35,046.55	12,072.43
Commercial light service.....	9,899.35	4,337.45	20,967.99	24,029.77	5,380.99
Commercial power service.....	3,511.13	955.87	30,432.70	27,644.40	3,618.93
Municipal power.....	518.45		2,585.15	3,503.04	
Street lighting.....	1,860.42	882.00	4,405.46	4,377.82	1,490.00
Merchandise.....			10.50		
Miscellaneous.....	142.29	340.03	59.16	569.05	378.08
Total earnings.....	28,991.03	15,248.49	111,959.00	95,170.63	22,940.43
EXPENSES					
Power purchased.....	11,524.50	5,913.19	67,109.34	70,461.12	14,531.45
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	2,154.32	613.02	6,357.31	4,830.96	1,384.83
Line transformer maintenance.....	23.00		531.94	172.15	83.79
Meter maintenance.....	373.78	44.59	429.84	319.70	118.45
Consumers' premises expenses.....			7,512.19	226.02	1.35
Street lighting, operation and maintenance.....	453.41	348.95	1,886.99	804.11	351.10
Promotion of business.....					
Billing and collecting.....	1,235.10	495.64	6,732.74	3,701.99	1,181.46
General office, salaries and expenses.....	515.15	263.01	4,491.76	1,897.31	107.28
Undistributed expenses.....	156.03		1,663.62	998.61	350.61
Truck operation and maintenance.....	202.00			737.66	300.00
Interest.....	67.32		836.46		
Sinking fund and principal payments on debentures.....	194.17				
Depreciation.....	1,596.00	828.00	4,392.00	4,549.00	1,041.00
Other reserves.....			50.00	156.33	
Total operating costs and fixed charges.....	18,494.78	8,506.40	101,994.19	88,854.96	19,451.32
Net surplus.....	10,496.25	6,742.09	9,964.81	6,315.67	3,489.11
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	335	249	1,065	1,016	283
Commercial light service.....	91	53	161	225	51
Power service.....	12	2	30	31	7
Total.....	438	304	1,256	1,272	341

Utilities for Year Ended December 31, 1952

Baden	Bancroft	Barrie	Barry's Bay	Bath	Beachville	Beamsville
744	1,379	13,721	1,349	414	660	1,794
\$	\$	\$	\$	\$	\$	\$
9,594.14	14,315.27	174,387.38	11,003.12	6,340.71	8,671.63	23,007.91
3,552.01	11,562.53	101,647.74	5,920.90	2,049.40	1,425.38	8,016.07
11,229.76	3,445.90	65,343.16	356.41	295.38	28,863.99	3,662.20
.....	.....	4,785.82	.....	.....	.....	.....
942.10	1,719.96	8,918.86	766.50	450.64	766.68	2,293.95
.....	.....	438.55	.....	.....	.....	.....
307.48	6.86	6,371.16	11.27	6.16	695.44	660.00
.....
25,625.49	31,050.52	361,892.67	18,058.20	9,142.29	40,423.12	37,640.13
.....
19,837.49	6,829.05	226,496.93	5,695.27	3,166.98	37,165.62	27,946.18
.....	.....	5,178.27	.....	.....	.....	.....
.....	871.14	92.32	.....	.....	.....	.....
.....
418.79	2,412.42	22,984.62	209.83	231.68	1,032.20	1,560.45
297.48	210.87	1,157.65	122.47	133.10	72.03	12.05
.....	219.94	4,121.71	128.78	64.07	21.90	193.51
72.80	.....	10,409.23	.....	.....	767.19	410.26
.....
87.21	300.76	1,338.42	54.61	215.40	164.62	572.25
.....	.....	25.68	.....	.....	.....	.....
585.48	1,588.95	14,445.45	620.29	378.90	589.20	2,187.75
250.20	1,327.98	9,063.95	262.61	254.82	351.32	1,238.34
7.21	838.12	6,574.36	20.00	.....	5.25	21.00
19.26	.....	2,268.78	.....	.....	.....	.....
.....	1,334.42	359.01	207.63	63.74	45.24	9.24
.....
.....	2,625.00	.....	858.97	563.86	.....	.....
.....
798.00	3,838.00	21,234.44	572.00	603.00	1,368.00	1,801.86
.....
.....
22,373.92	22,396.65	325,750.82	8,752.46	5,675.55	41,582.57	35,952.89
.....
3,251.57	8,653.87	36,141.85	9,305.74	3,466.74	.....	1,687.24
.....
.....	.....	.....	.....	.....	1,159.45	.....
.....
.....
200	349	3,610	267	142	216	550
33	101	569	60	20	30	95
3	6	83	2	1	3	11
.....
236	456	4,262	329	163	249	656

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Beaverton	Beeton	Belle River	Belleville	Blenheim
Population.....	984	606	1,487	19,592	2,598
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	14,365.37	6,956.00	16,182.60	236,682.56	18,940.42
Commercial light service.....	6,866.63	4,759.29	9,612.00	134,286.55	21,644.46
Commercial power service.....	4,010.54	941.93	567.48	100,610.54	14,486.76
Municipal power.....	659.74		2,385.26	7,765.16	1,685.98
Street lighting.....	1,710.00	1,894.70	2,048.00	17,307.24	4,935.00
Merchandise.....	18.83			1,639.69	
Miscellaneous.....	218.76	112.86	67.81	10,964.46	2,059.66
Total earnings.....	27,849.87	14,664.78	30,863.15	509,256.20	63,752.28
EXPENSES					
Power purchased.....	17,238.90	7,755.04	16,929.36	375,146.38	33,557.93
Substation operation.....				9,730.26	
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,730.70	1,343.09	1,938.56	15,536.02	2,536.26
Line transformer maintenance.....	236.85		170.09	390.67	562.61
Meter maintenance.....	605.36	255.58	496.90	3,377.15	595.51
Consumers' premises expenses.....	65.67		160.09	3,645.31	38.92
Street lighting, operation and maintenance.....	331.92	239.39	331.74	4,022.56	1,499.03
Promotion of business.....				15.05	
Billing and collecting.....	1,775.16	487.56	2,202.95	14,994.00	2,698.42
General office, salaries and expenses.....	1,284.99	380.39	1,034.79	15,249.12	2,557.00
Undistributed expenses.....		32.61	91.79	3,975.58	
Truck operation and maintenance.....			499.95		
Interest.....	22.12	46.55	64.08		1,884.06
Sinking fund and principal payments on debentures.....					
Depreciation.....	1,976.00	857.00	1,722.00	20,636.00	4,101.00
Other reserves.....					
Total operating costs and fixed charges.....	25,267.67	11,397.21	25,642.30	466,718.10	50,030.74
Net surplus.....	2,582.20	3,267.57	5,220.85	42,538.10	13,721.54
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	366	187	486	5,422	758
Commercial light service.....	93	43	79	829	169
Power service.....	8	7	6	144	19
Total.....	467	237	571	6,395	946

Utilities for Year Ended December 31, 1952

Bloomfield 659	Blyth 684	Bobcaygeon 1,151	Bolton 908	Bothwell 727	Bowman- ville 5,431	Bradford 1,646
\$	\$	\$	\$	\$	\$	\$
6,283.32	7,943.87	18,359.89	11,257.75	5,031.17	77,590.60	20,042.32
4,909.27	4,450.36	10,781.42	5,242.72	4,496.22	26,047.03	17,224.84
2,592.27	6,705.24	711.59	2,866.60	2,216.08	80,869.94	16,646.80
			685.01	150.84	1,076.60	890.98
1,241.00	1,382.64	3,003.01	1,222.47	1,819.98	5,611.16	2,086.50
					1,169.46	60.76
603.27	255.71	146.97	409.85	360.00	2,573.92	411.00
15,629.13	20,737.82	33,002.88	21,684.40	14,074.29	194,938.71	57,363.20
8,556.87	12,916.03	9,046.15	12,960.76	10,912.62	131,210.21	27,441.85
		222.00			1,165.28	
					110.09	
310.56	1,070.07	2,125.69	694.38	495.34	6,150.00	3,639.03
	39.85	43.97	36.00	103.11	92.77	42.63
107.75	13.30	293.27	23.36	84.93	2,167.24	362.66
	32.10		184.74	5.85	2,158.94	15.50
81.88	367.50	243.10	203.88	412.81	935.73	542.08
					25.62	
649.05	831.55	1,407.40	1,125.98	653.35	4,595.67	1,466.26
498.66	260.40	1,125.30	665.56	419.48	7,602.48	1,658.31
	82.78	167.90			2,487.75	194.31
		760.60			1,895.50	306.63
24.10		1,148.26		66.37		2.02
		3,634.54				
575.00	986.00	2,469.00	1,205.00	597.00	11,046.00	2,581.00
10,803.87	16,599.58	22,687.18	17,099.66	13,750.86	171,643.28	38,252.28
4,825.26	4,138.24	10,315.70	4,584.74	323.43	23,295.43	19,110.92
215	233	450	255	218	1,728	435
46	62	100	56	66	214	104
7	5	2	15	8	32	25
268	300	552	326	292	1,974	564

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Braeside	Brampton	Brantford	Brantford Twp. (V.A.)	Brechin
Population.....	470	8,945	37,295		270
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	3,615.93	122,299.03	358,915.73	205,431.58	2,209.41
Commercial light service.....	791.87	46,961.67	179,738.54	29,252.31	1,763.97
Commercial power service.....	5,973.25	42,931.73	600,492.75	20,002.61	786.84
Municipal power.....		5,718.74	14,029.98		
Street lighting.....	450.00	8,548.10	43,813.38	13,967.81	324.00
Merchandise.....					
Miscellaneous.....	38.15	3,177.77	14,984.05	313.55	251.68
Total earnings.....	10,869.20	229,637.04	1,211,974.43	268,967.86	5,335.90
EXPENSES					
Power purchased.....	6,807.14	170,396.05	860,651.98	132,683.17	2,167.53
Substation operation.....			22,077.16	840.58	
Substation maintenance.....		622.62	9,678.34		
Distribution system, operation and maintenance.....	512.00	3,690.46	11,571.31	9,360.20	277.32
Line transformer maintenance.....	49.46	296.00	6,518.96	1,623.60	
Meter maintenance.....	54.65	1,940.56	10,803.61	3,922.91	116.41
Consumers' premises expenses.....		433.50	31,395.45	386.63	80.00
Street lighting, operation and main- tenance.....	86.45	2,012.09	12,519.26	2,946.27	47.00
Promotion of business.....			146.35		
Billing and collecting.....	360.79	5,698.31	22,249.37	9,084.90	345.68
General office, salaries and expenses	262.85	2,792.93	20,928.95	6,785.63	159.63
Undistributed expenses.....			723.00	4,001.33	
Truck operation and maintenance.....				3,279.76	
Interest.....	177.45		8.65	6,643.91	
Sinking fund and principal pay- ments on debentures.....	265.14		312.50	8,436.81	
Depreciation.....	260.00	10,932.00	53,890.00	13,542.00	164.00
Other reserves.....		100.00			
Total operating costs and fixed charges.....	8,835.93	198,914.52	1,063,474.89	203,537.70	3,357.57
Net surplus.....	2,033.27	30,722.52	148,499.54	65,430.16	1,978.33
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	122	2,407	9,800	3,505	62
Commercial light service.....	11	339	1,585	140	22
Power service.....	3	79	269	18	1
Total.....	136	2,825	11,654	3,663	85

Utilities for Year Ended December 31, 1952

Bridgeport	Brigden	Brighton	Brockville	Bronte	Brussels	Burford
1,263	435	750	12,221	1,109	842	915
\$	\$	\$	\$	\$	\$	\$
13,623.53	3,381.87	25,478.52	138,786.00	12,044.43	10,753.80	13,408.56
4,253.18	2,877.10	11,916.29	61,196.45	4,433.11	5,367.26	4,936.40
2,373.21	4,317.98	6,084.80	161,426.12	1,886.70	4,183.10	3,602.51
	213.12		9,068.06		589.80	
1,084.00	841.80	2,177.17	9,840.75	1,100.00	1,296.00	1,195.37
						1.49
135.01	210.56	289.67	2,752.48	3,191.53	12.72	155.19
21,468.93	11,842.43	45,946.45	383,069.86	22,655.77	22,202.68	23,299.52
13,199.55	6,421.31	26,650.86	285,587.59	12,801.32	14,143.49	15,051.16
			24,010.35			
			460.26			
429.75	668.22	2,489.01	7,347.72	1,810.98	745.29	1,394.17
76.81		89.40	308.26	255.98	148.49	22.00
153.33	116.28	1,264.31	2,669.71	127.93	16.05	221.68
		82.19	53.84	8.92		
306.40	193.27	469.79	2,189.28	260.60	176.36	236.80
956.98	654.33	2,616.62	7,922.01	1,812.40	188.43	933.89
247.28	375.24	3,010.52	11,122.85	452.56	872.07	398.14
30.72	8.66	1,138.37	2,254.74		32.79	28.96
		565.90	2,038.74			
		24.34				
1,336.00	724.00	1,688.00	16,163.00	1,482.00	1,192.00	1,074.00
				100.00		
16,736.82	9,161.31	40,089.31	362,128.35	19,112.69	17,514.97	19,360.80
4,732.11	2,681.12	5,857.14	20,941.51	3,543.08	4,687.71	3,938.72
312	141	636	3,621	372	285	307
29	46	145	498	53	72	58
6	6	10	81	8	9	7
347	193	791	4,200	433	366	372

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Burgess- ville 216	Burks Falls 866	Burlington 6,709	Caledonia 1,700	Campbell- ville 260
Population					
EARNINGS	\$	\$	\$	\$	\$
Domestic service	3,337.70	8,917.79	101,295.80	15,247.69	3,602.38
Commercial light service	1,258.44	8,871.82	41,186.68	11,200.19	742.04
Commercial power service	1,579.70	280.68	29,953.97	6,735.35	407.12
Municipal power		569.68	1,092.26	435.18	
Street lighting	384.00	2,107.56	5,878.21	3,793.04	372.00
Merchandise		37.52		53.81	
Miscellaneous	117.86	7.01	665.04	172.47	110.85
Total earnings	6,677.70	20,792.06	180,071.96	37,637.73	5,234.39
EXPENSES					
Power purchased	4,040.79	8,028.68	99,359.05	20,897.40	3,242.68
Substation operation					
Substation maintenance					
Distribution system, operation and maintenance	1,076.77	930.23	8,012.82	1,488.00	35.09
Line transformer maintenance	56.23	47.52	642.00	39.19	
Meter maintenance	76.52	143.72	3,425.63	776.08	125.95
Consumers' premises expenses	16.43		479.01		
Street lighting, operation and maintenance	27.01	280.80	660.57	727.21	106.10
Promotion of business					
Billing and collecting	286.69	804.07	8,333.62	1,500.46	160.00
General office, salaries and expenses	185.25	498.71	6,035.39	1,696.55	105.28
Undistributed expenses		31.00	2,692.29	459.60	
Truck operation and maintenance			1,662.97	943.11	
Interest	1.56	1,331.55	7,224.50	136.33	
Sinking fund and principal payments on debentures		1,943.07	10,354.55	500.00	
Depreciation	278.00	1,041.00	7,362.00	1,829.00	285.00
Other reserves					
Total operating costs and fixed charges	6,045.25	15,080.35	156,244.40	30,992.93	4,060.10
Net surplus	632.45	5,711.71	23,827.56	6,644.80	1,174.29
Net loss					
NUMBER OF CUSTOMERS					
Domestic service	70	237	1,989	545	67
Commercial light service	21	63	241	118	12
Power service	3	3	32	13	1
Total	94	303	2,262	676	80

Utilities for Year Ended December 31, 1952

Cannington 911	Cardinal 1,770	Carleton Place 4,590	Cayuga 716	Chatham 21,730	Chatsworth 403	Chesley 1,676
\$	\$	\$	\$	\$	\$	\$
11,309.41	19,426.82	48,256.57	6,788.96	211,404.01	4,589.61	21,320.49
5,650.02	6,094.29	22,568.21	7,361.91	222,802.43	4,210.45	9,408.14
4,129.13	931.18	36,588.27	4,444.09	256,893.43	1,122.29	11,590.59
.....	.....	1,890.52	.....	15,141.28	.....	794.47
1,590.96	1,408.00	5,378.15	2,179.26	37,262.41	972.00	2,638.28
.....	.....	.....	11.68	18,109.58	.....	178.94
483.54	269.01	1,919.92	653.52	4,043.87	41.84	171.31
23,163.06	28,129.30	116,601.64	21,439.42	765,657.01	10,936.19	46,102.22
.....
15,099.69	19,653.61	79,934.67	8,423.54	413,651.57	7,612.50	31,709.43
.....	.....	179.86	.....	15,629.08	.....	.....
.....	.....	.....	.....	22,784.45	.....	.....
1,366.98	996.79	4,412.08	893.85	46,809.97	654.72	1,747.43
111.37	64.39	316.76	171.45	7,248.12	.....	39.61
442.07	100.59	1,867.28	696.37	10,983.88	310.17	301.54
216.61	.....	807.29	.....	24,958.85	.....	254.37
259.46	102.72	1,645.43	590.71	6,706.02	207.93	605.01
.....	.....	.....	.....	22,313.29	.....	.....
1,125.65	723.14	4,371.24	1,677.73	25,996.89	335.34	1,507.77
784.96	675.24	7,283.57	1,185.25	57,207.73	277.41	1,246.37
.....	.....	168.37	260.27	23,650.42	.....	418.29
.....	.....	.....	395.67	11,834.34	.....	526.40
2.58	.....	.....	.75	17,674.35	.....	1.00
.....	.....	.....	.....	29,672.15	.....	.....
813.00	942.00	4,216.00	1,427.00	41,094.00	546.00	2,615.00
.....	.....	.....	.....	1,300.00	.....	.....
20,222.37	23,258.48	105,202.55	15,722.59	779,515.11	9,944.07	40,972.22
2,940.69	4,870.82	11,399.09	5,716.83	.....	992.12	5,130.00
.....	.....	.....	.....	13,858.10	.....	.....
.....
312	481	1,312	234	5,769	127	550
78	65	224	85	1,029	44	99
11	3	23	9	173	1	27
401	549	1,559	328	6,971	172	676

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Chester- ville	Chippawa	Clifford	Clinton	Cobden
Population.....	1,179	1,720	479	2,575	814
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	9,977.17	19,309.52	6,649.08	34,802.64	7,443.14
Commercial light service.....	6,839.03	4,883.66	4,530.48	16,872.46	5,257.31
Commercial power service.....	14,150.85	309.04	1,122.78	9,526.76	5,745.94
Municipal power.....		791.60	170.69	4,455.88	185.96
Street lighting.....	1,596.00	3,649.27	1,100.00	3,289.86	1,414.67
Merchandise.....				176.97	
Miscellaneous.....	509.87	140.78	37.27	777.48	158.67
Total earnings.....	33,072.92	29,083.87	13,610.30	69,902.05	20,205.69
EXPENSES					
Power purchased.....	23,633.09	17,195.05	8,506.63	45,802.55	9,063.52
Substation operation.....				185.63	
Substation maintenance.....					
Distribution system, operation and maintenance.....	2,635.99	1,031.13	705.45	2,555.54	58.21
Line transformer maintenance.....	234.97	476.14	161.81	81.31	126.28
Meter maintenance.....	325.08	748.64	7.21	180.05	399.51
Consumers' premises expenses.....		57.47	356.67	793.91	
Street lighting, operation and main- tenance.....	313.09	997.93	239.96	1,268.81	40.44
Promotion of business.....					
Billing and collecting.....	953.78	1,547.19	491.02	2,441.10	853.16
General office, salaries and expenses	785.43	1,249.93	219.51	3,764.77	23.00
Undistributed expenses.....	72.84	96.03	20.12	671.21	
Truck operation and maintenance.....	368.93	690.32		597.71	
Interest.....			81.68	1,231.15	
Sinking fund and principal pay- ments on debentures.....			468.76	1,500.00	
Depreciation.....	1,234.00	1,794.78	757.00	3,702.00	596.00
Other reserves.....					
Total operating costs and fixed charges.....	30,557.20	25,884.61	12,015.82	64,775.74	11,160.12
Net surplus.....	2,515.72	3,199.26	1,594.48	5,126.31	9,045.57
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	310	506	154	797	255
Commercial light service.....	74	56	43	167	72
Power service.....	6	3	4	25	8
Total.....	390	565	201	989	335

Utilities for Year Ended December 31, 1952

Cobourg	Colborne	Coldwater	Collingwood	Comber	Cookstown	Cottam
8,117	1,139	620	7,468	545	461	564
\$	\$	\$	\$	\$	\$	\$
102,224.95	15,959.22	7,249.38	75,287.34	4,220.07	5,531.81	5,479.03
45,560.49	8,593.54	3,873.03	37,792.78	3,995.41	3,131.66	2,635.13
65,695.26	2,159.06	2,362.72	64,119.46	5,393.39	1,645.86	1,379.83
1,925.91	230.95		2,778.06			
10,086.94	2,163.48	1,161.00	6,492.89	1,341.00	930.00	737.50
	249.17		247.73			
1,514.62	173.34	319.17	634.36	37.67	1.06	94.06
227,008.17	29,528.76	14,965.30	187,352.62	14,987.54	11,240.39	10,325.55
152,449.93	16,321.33	9,507.19	145,232.12	8,974.12	6,848.68	5,880.82
			456.54			
9,681.15	1,619.52	1,163.77	6,670.37	732.42	373.00	150.96
872.27	13.00	69.02	501.00	265.76	6.33	134.91
1,638.55	289.63	241.08	2,394.90	22.65	155.12	58.19
362.06	432.92	75.98	31.64			
1,421.90	305.20	170.72	1,048.50	304.92	63.50	69.73
10,515.76	1,553.18	766.32	4,456.30	754.79	344.42	841.80
6,035.36	1,348.55	385.14	2,252.05	732.24	113.54	306.75
3,780.95	742.48	13.43	2,406.10			5.23
2,052.14	401.77		2,192.04			
121.90	13.00	2.64		150.00		
7,148.50				268.83		
10,171.00	919.00	1,080.00	7,816.00	874.00	716.00	476.00
			150.00			
206,251.47	23,959.58	13,475.29	175,607.56	13,079.73	8,620.59	7,924.39
20,756.70	5,569.18	1,490.01	11,745.06	1,907.81	2,619.80	2,401.16
2,158	374	187	2,139	162	154	176
289	84	55	304	58	38	35
60	8	3	66	9	3	7
2,507	466	245	2,509	229	195	218

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Courtright	Creemore	Dashwood	Delaware	Delhi
Population.....	571	738	403	292	2,605
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	3,787.29	8,045.94	6,411.44	4,829.89	30,403.00
Commercial light service.....	2,252.49	4,009.53	2,563.67	2,138.20	27,399.07
Commercial power service.....		1,602.42	2,031.80		11,747.61
Municipal power.....	646.14				1,878.82
Street lighting.....	727.17	973.00	720.00	360.00	4,714.77
Merchandise.....					
Miscellaneous.....	42.15	145.21	14.08	2.79	1,125.71
Total earnings.....	7,455.24	14,776.10	11,740.99	7,330.88	77,268.98
EXPENSES					
Power purchased.....	3,512.61	9,494.34	7,547.66	5,660.65	36,947.95
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	289.42	610.23	173.18		4,282.17
Line transformer maintenance.....	44.99	32.50	34.30		370.44
Meter maintenance.....	11.84	162.07	23.33		985.72
Consumers' premises expenses.....			14.41	20.61	1,097.38
Street lighting, operation and maintenance.....	46.14	327.97	76.28	26.19	831.93
Promotion of business.....					199.93
Billing and collecting.....	240.11	646.68	548.11	388.79	2,434.03
General office, salaries and expenses.....	134.37	128.50	332.70	140.70	3,007.77
Undistributed expenses.....	5.00	4.12			1,032.11
Truck operation and maintenance.....					
Interest.....				20.65	1,533.67
Sinking fund and principal payments on debentures.....					4,624.17
Depreciation.....	378.00	738.00	435.00	284.00	3,374.00
Other reserves.....		50.00			
Total operating costs and fixed charges.....	4,662.48	12,194.41	9,184.97	6,541.59	60,721.27
Net surplus.....	2,792.76	2,581.69	2,556.02	789.29	16,547.71
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	151	236	130	99	848
Commercial light service.....	28	58	31	18	234
Power service.....	1	4	3		32
Total.....	180	298	164	117	1,114

Utilities for Year Ended December 31, 1952

Deseronto 1,570	Dorchester 557	Drayton 538	Dresden 2,140	Drumbo 308	Dublin 240	Dundalk 784
\$	\$	\$	\$	\$	\$	\$
19,609.90	6,772.20	7,807.38	17,130.71	4,991.79	3,214.07	7,847.52
7,036.07	1,820.08	4,311.08	17,569.31	2,435.37	2,023.19	6,096.61
9,925.05	2,253.67	2,064.34	16,156.44	1,473.60	2,012.41	4,717.52
1,513.62			1,263.65			
2,528.88	1,206.66	1,000.00	3,562.47	650.00	627.00	1,271.00
853.50						
241.00	87.10	184.13	2,780.43	308.92	49.44	454.82
41,708.02	12,139.71	15,366.93	58,463.01	9,859.68	7,926.11	20,387.47
21,788.78	7,808.54	6,812.40	27,309.47	6,338.85	4,282.99	13,134.08
			238.65			
2,900.33	321.08	261.92	3,057.95	327.71	199.31	1,612.78
50.44	81.10	53.68	147.12			22.35
314.96	20.37	9.00	346.15	26.45	19.95	425.87
12.53	221.93		22.41	26.79		
446.77	529.21	368.00	741.94	62.40	136.60	244.32
	3.81		135.72			
1,407.05	876.03	1,081.08	2,272.97	682.06	426.38	1,098.10
1,568.05	227.23	206.50	5,890.26	82.55	291.85	248.75
315.45		41.94	497.16		5.00	61.56
580.97			1,092.06			352.20
	2.00	5.31	629.77	1.50		13.77
			766.64			
1,734.00	906.00	933.00	2,419.00	398.00	357.00	927.00
31,119.33	10,997.30	9,772.83	45,567.27	7,946.31	5,719.08	18,140.78
10,588.69	1,142.41	5,594.10	12,895.74	1,913.37	2,507.03	2,246.69
508	211	195	618	122	72	264
58	35	57	152	33	33	83
16	3	5	20	2	2	9
582	249	257	790	157	107	356

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Dundas	Dunnville	Durham	Dutton
Population.....	7,235	4,593	1,852	820
EARNINGS	\$	\$	\$	\$
Domestic service.....	72,159.56	28,422.92	19,890.87	5,614.16
Commercial light service.....	34,348.56	27,843.04	15,137.68	4,030.69
Commercial power service.....	70,142.53	39,535.11	6,444.65	4,324.37
Municipal power.....	1,105.68	2,835.91	982.79	
Street lighting.....	9,222.12	5,659.93	2,083.20	1,268.20
Merchandise.....		20.61	59.11	
Miscellaneous.....	710.66	888.90	108.33	271.84
Total earnings.....	187,689.11	105,206.42	44,706.63	15,509.26
EXPENSES				
Power purchased.....	117,437.61	73,926.21	24,037.98	11,384.64
Substation operation.....	1,441.62	1,247.56		
Substation maintenance.....				
Distribution system, operation and maintenance.....	9,713.22	6,809.38	5,142.32	720.04
Line transformer maintenance.....	1,336.94	613.16	196.02	56.70
Meter maintenance.....	2,924.16	1,783.06	730.47	309.13
Consumers' premises expenses.....		146.33	378.84	28.65
Street lighting, operation and maintenance.....	2,496.08	2,140.97	327.79	242.38
Promotion of business.....		228.92		
Billing and collecting.....	3,686.73	2,747.86	1,355.41	939.96
General office, salaries and expenses.....	4,419.90	3,021.03	1,482.15	247.57
Undistributed expenses.....	1,410.82	2,492.00	176.16	35.89
Truck operation and maintenance.....	2,326.29	1,853.68	956.14	
Interest.....		220.09		4.04
Sinking fund and principal payments on debentures.....				
Depreciation.....	5,422.00	6,095.03	1,980.00	622.00
Other reserves.....				
Total operating costs and fixed charges.....	152,615.37	103,325.28	36,763.28	14,591.00
Net surplus.....	35,073.74	1,881.14	7,943.35	918.26
Net loss.....				
NUMBER OF CUSTOMERS				
Domestic service.....	1,988	1,314	583	253
Commercial light service.....	243	274	127	68
Power service.....	52	34	17	11
Total.....	2,283	1,622	727	332

Utilities for Year Ended December 31, 1952

East York Twp. 63,951	Eganville 1,311	Elmira 2,571	Elmvale 861	Elmwood (V.A.)	Elora 1,360	Embro 459
\$	\$	\$	\$	\$	\$	\$
803,765.98	14,863.79	34,505.89	9,100.42	2,735.83	17,233.30	8,288.81
114,456.54	10,825.39	22,870.55	5,373.83	1,859.64	7,283.05	2,209.64
158,376.91	3,279.47	49,748.13	4,886.11	4,261.52	10,368.92	3,233.14
6,698.95	.....	4,407.56	306.31	.....	334.42	.....
44,952.05	1,924.59	2,892.65	1,235.97	792.00	1,953.00	660.00
.....	.....	.....	.....	.....	172.94	.....
1,556.92	245.05	3,004.93	149.28	150.01	415.66	108.86
1,129,807.35	31,138.29	117,429.71	21,051.92	9,799.00	37,761.29	14,500.45
676,212.28	1,756.70	77,015.06	15,765.28	5,863.28	26,003.45	8,716.70
.....	6,378.83	791.30	.....	.....	.....	.....
8,795.05	149.93	.....	.....	.....	.....	.....
20,817.72	573.82	6,332.22	1,008.37	279.78	2,919.01	373.10
9,542.35	139.53	302.30	179.63	.....	459.44	2.00
9,850.82	84.67	322.97	332.89	77.33	247.70	173.36
26,956.38	.....	13.32	10.16	.....	.....	478.69
14,406.23	296.31	249.49	274.90	67.76	547.78	293.21
190.00	.....	.....	.....	.....	.....	.....
44,533.22	932.93	1,677.22	890.63	317.79	1,450.65	868.25
47,752.78	3,521.35	2,488.12	374.20	365.00	698.27	193.38
.....	346.00	907.26	.....	.....	524.88	.....
.....	485.18	1,036.95	.....	.....	484.04	.....
26,885.78	2,658.62	.....	2.90	2.90	6.57	1.28
29,000.00	4,376.69	.....	.....	.....	.....	.....
50,962.00	2,879.00	6,114.00	1,183.00	513.00	1,244.00	909.00
2,700.00	.....	.....	.....	.....	.....	.....
968,604.61	24,579.56	97,250.21	20,021.96	7,486.84	34,585.79	12,008.97
161,202.74	6,558.73	20,179.50	1,029.96	2,312.16	3,175.50	2,491.48
.....
17,317	349	739	247	100	422	158
862	85	146	73	21	73	43
120	9	27	10	3	8	4
18,299	443	912	330	124	503	205

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Erieau	Erie Beach	Erin	Essex	Etobicoke Twp.
Population.....	402	59	669	2,931	62,685
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	8,939.84	3,010.72	10,719.42	25,420.50	1,001,337.78
Commercial light service.....	4,004.54	222.22	6,349.63	21,234.45	199,868.56
Commercial power service.....	5,455.09		662.07	12,578.10	269,858.69
Municipal power.....				2,357.64	26,184.19
Street lighting.....	898.50	252.00	869.84	3,512.52	49,864.70
Merchandise.....					
Miscellaneous.....	46.69	1.14	16.86	1,248.85	6,218.20
Total earnings.....	19,344.66	3,486.08	18,617.82	66,352.06	1,553,332.12
EXPENSES					
Power purchased.....	10,063.98	1,237.72	7,436.00	39,004.49	948,816.73
Substation operation.....					
Substation maintenance.....					4,390.11
Distribution system, operation and maintenance.....	981.21	55.12	1,658.53	4,450.15	48,569.19
Line transformer maintenance.....	25.44		32.00	316.26	10,673.87
Meter maintenance.....	82.07	29.74	179.51	495.41	9,657.20
Consumers' premises expenses.....	43.04	11.96		402.67	53,460.76
Street lighting, operation and main- tenance.....	230.43	42.36	344.30	866.81	10,155.08
Promotion of business.....				128.12	
Billing and collecting.....	793.31	256.86	718.30	2,343.20	68,956.40
General office, salaries and expenses	870.95	290.94	438.43	3,667.57	35,584.33
Undistributed expenses.....			54.86	397.60	
Truck operation and maintenance				675.13	
Interest.....	81.50	12.43	447.64	229.72	85,012.55
Sinking fund and principal pay- ments on debentures.....			725.00	1,318.40	63,658.00
Depreciation.....	1,268.00	214.00	567.00	4,117.00	63,087.00
Other reserves.....					1,000.00
Total operating costs and fixed charges.....	14,439.93	2,151.13	12,601.57	58,412.53	1,403,021.22
Net surplus.....	4,904.73	1,334.95	6,016.25	7,939.53	150,310.90
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	269	123	248	816	19,340
Commercial light service.....	25	4	64	162	1,114
Power service.....	4		2	28	196
Total.....	298	127	314	1,006	20,650

Utilities for Year Ended December 31, 1952

Exeter	Fergus	Finch	Flesherton	Fonthill	Forest	Forest Hill
2,609	3,515	380	454	1,532	1,800	16,965
\$	\$	\$	\$	\$	\$	\$
39,652.04	46,746.05	4,716.28	4,774.75	20,888.50	27,917.79	313,293.59
17,608.04	17,025.85	2,660.44	3,822.18	4,579.58	15,726.24	71,961.32
11,337.04	32,525.97	2,361.26	999.77	1,542.39	8,144.83	7,844.33
909.74	1,111.95			1,389.37	1,460.63	399.28
4,341.46	5,660.48	685.00	969.00	2,202.75	3,221.34	13,852.90
280.42			1.86			
1,307.04	916.06	232.85	280.25		1,096.00	4,189.80
75,435.78	103,986.36	10,655.83	10,847.81	30,602.59	57,566.83	411,541.22
49,851.64	71,987.13	5,435.23	5,052.74	18,766.36	34,811.15	261,711.63
	276.82					3,180.35
3,214.55	5,901.11	461.38	708.90	1,243.95	3,758.71	14,340.25
549.80	579.99	13.46		171.87	9.31	1,023.77
105.75	990.03	373.10	188.16	249.67	253.82	4,077.44
1,258.55	30.95			1,209.82	1,278.77	21,047.27
776.53	979.88	225.73	232.39	553.80	589.69	1,754.38
	30.53					
3,676.02	2,727.41	537.48	654.56	1,413.50	1,317.70	13,426.39
4,467.78	2,065.07	386.00	264.87	985.77	1,786.74	20,490.27
202.71	311.90		4.47	5.01	1,027.62	
833.26	459.92				466.33	
15.06				209.89		4,270.28
				400.00		16,575.86
3,765.00	4,153.00	567.00	688.00	1,403.00	1,624.00	25,623.00
68,716.65	90,493.74	7,999.38	7,794.09	26,612.64	46,923.84	387,520.89
6,719.13	13,492.62	2,656.45	3,053.72	3,989.95	10,642.99	24,020.33
826	979	127	152	445	617	4,936
161	130	32	55	57	144	456
25	19	6	2	7	20	50
1,012	1,128	165	209	509	781	5,442

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Frankford	Galt	Georgetown	Glencoe
Population.....	1,435	20,801	3,550	1,006
EARNINGS	\$	\$	\$	\$
Domestic service.....	17,010.50	233,310.20	56,869.16	7,483.76
Commercial light service.....	7,226.97	108,796.14	19,797.79	10,343.36
Commercial power service.....	1,328.46	270,929.76	46,212.56	2,328.95
Municipal power.....		8,232.44	3,437.17	822.64
Street lighting.....	1,321.59	31,340.50	4,176.84	2,580.65
Merchandise.....		3,249.56		
Miscellaneous.....	145.76	5,513.81	491.31	1,067.28
Total earnings.....	27,033.28	661,372.41	130,984.83	24,626.64
EXPENSES				
Power purchased.....	9,115.00	462,493.48	92,748.94	10,549.05
Substation operation.....		13,077.11		
Substation maintenance.....		4,750.05	488.50	
Distribution system, operation and maintenance.....	300.77	23,607.43	6,012.90	1,451.53
Line transformer maintenance.....		2,823.35	1,082.24	84.05
Meter maintenance.....	69.48	5,609.37	1,503.94	92.71
Consumers' premises expenses.....		886.68	1,732.74	49.30
Street lighting, operation and maintenance.....	273.85	9,089.80	1,108.39	247.15
Promotion of business.....				
Billing and collecting.....	1,422.65	7,874.24	3,716.15	1,522.79
General office, salaries and expenses.....	907.87	22,482.08	5,281.89	1,453.31
Undistributed expenses.....		10,985.13		108.14
Truck operation and maintenance.....				409.24
Interest.....	480.00	7,349.62		1.05
Sinking fund and principal payments on debentures.....	2,000.00	5,000.00		
Depreciation.....	882.00	29,426.00	5,422.00	2,029.00
Other reserves.....		693.35		
Total operating costs and fixed charges.....	15,451.62	606,147.69	119,097.69	17,997.32
Net surplus.....	11,581.66	55,224.72	11,887.14	6,629.32
Net loss.....				
NUMBER OF CUSTOMERS				
Domestic service.....	369	6,005	1,212	313
Commercial light service.....	75	675	163	98
Power service.....	5	179	31	11
Total.....	449	6,859	1,406	422

Utilities for Year Ended December 31, 1952

Goderich	Grand Valley	Granton	Gravenhurst	Grimsby	Guelph	Hagersville
5,252	632	277	3,024	2,934	28,617	1,718
\$	\$	\$	\$	\$	\$	\$
77,665.18	7,851.17	4,132.69	32,229.29	28,310.99	313,502.09	14,160.15
39,447.82	3,674.43	1,113.72	20,441.43	19,295.90	120,857.35	12,967.02
45,074.25	4,070.58	178.57	19,077.89	10,783.09	257,199.31	30,323.20
4,550.15			1,046.51	2,795.06	21,559.24	1,057.34
7,063.50	1,157.00	393.87	3,318.51	3,403.89	29,773.80	2,926.44
			44.58	133.70		
1,552.28	226.91	2.58	963.33	962.60	2,628.09	2,084.35
175,353.18	16,980.09	5,821.43	77,121.54	65,685.23	745,519.88	63,518.50
99,384.44	13,753.62	3,193.31	59,141.78	46,099.78	507,352.07	41,856.40
1,919.38					9,132.18	
						168.30
10,029.45	522.32	427.57	4,359.40	2,392.25	27,367.53	4,595.29
255.92		25.44	153.77		4,518.57	325.31
712.59	220.24	12.50	700.15	225.05	8,664.36	610.18
796.14		28.17			2,993.34	67.96
1,899.18	185.80	64.73	588.22	847.50	7,505.70	145.67
65.35						
5,341.51	963.57	559.89	2,643.43	3,665.12	14,154.65	1,611.03
4,129.33	267.97	162.83	2,686.10	2,786.41	11,484.37	1,434.78
2,190.93	11.62		606.30	60.07	6,231.47	888.15
1,236.57			729.69			360.96
5,204.19		13.20		31.42	8,989.93	
5,171.91		294.30			14,166.67	
11,206.00	685.00	335.00	4,080.00	3,078.42	39,557.00	1,422.00
149,542.89	16,610.14	5,116.94	75,688.84	59,186.02	662,117.84	53,486.03
25,810.29	369.95	704.49	1,432.70	6,499.21	83,402.04	10,032.47
1,655	240	90	971	945	7,224	501
290	63	28	176	174	849	142
49	11	1	23	18	184	23
1,994	314	119	1,170	1,137	8,257	666

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Hamilton	Hanover	Harriston	Harrow
Population.....	212,234	3,901	1,509	1,713
EARNINGS	\$	\$	\$	\$
Domestic service.....	2,010,635.95	48,131.81	18,436.56	27,526.00
Commercial light service.....	1,041,670.84	19,569.26	10,767.69	15,795.93
Commercial power service.....	4,172,547.16	41,332.17	14,444.80	9,221.77
Municipal power.....	105,882.68		436.84	
Street lighting.....	199,284.02	3,124.14	1,911.50	1,926.78
Merchandise.....		133.46	1,776.55	
Miscellaneous.....	145,460.48	3,454.60	82.99	1,376.24
Total earnings.....	7,675,481.13	115,745.44	47,856.93	55,846.72
EXPENSES				
Power purchased.....	*5,849,722.94	76,347.96	30,764.00	33,769.60
Substation operation.....	196,479.44			
Substation maintenance.....	21,032.17			
Distribution system, operation and maintenance.....	160,421.14	5,862.58	1,873.04	3,995.82
Line transformer maintenance.....	26,656.71	524.52	76.25	278.70
Meter maintenance.....	89,176.50	726.21	239.56	140.70
Consumers' premises expenses.....	62,860.64	972.15	3,051.25	102.03
Street lighting, operation and maintenance.....	45,702.00	514.67	251.01	472.05
Promotion of business.....	26,536.60			
Billing and collecting.....	218,157.70	3,072.50	2,224.36	3,928.69
General office, salaries and expenses.....	181,571.40	3,487.31	877.39	1,397.08
Undistributed expenses.....	39,421.44	1,263.68	172.44	
Truck operation and maintenance.....		722.03	142.43	
Interest.....	6,801.43		28.70	23.94
Sinking fund and principal payments on debentures.....				
Depreciation.....	260,853.09	4,357.00	2,304.00	2,393.00
Other reserves.....				
Total operating costs and fixed charges.....	7,185,393.20	97,850.61	42,004.43	46,501.61
Net surplus.....	490,087.93	17,894.83	5,852.50	9,345.11
Net loss.....				
NUMBER OF CUSTOMERS				
Domestic service.....	55,673	1,096	455	477
Commercial light service.....	6,946	179	116	120
Power service.....	1,361	32	16	8
Total.....	63,980	1,307	587	605

*Includes 1952 cost adjustment.

Utilities for Year Ended December 31, 1952

Hastings	Havelock	Hensall	Hespeler	Highgate	Holstein	Huntsville
782	1,257	727	3,780	382	180	3,262
\$	\$	\$	\$	\$	\$	\$
9,273.67	12,488.51	10,280.87	42,014.01	2,778.39	2,229.29	40,968.32
6,152.60	7,581.50	6,222.80	13,833.20	1,662.01	512.91	35,940.76
426.38	2,054.02	7,426.56	104,684.68	2,810.44	778.30	22,664.17
		513.65	3,582.70			1,909.62
1,721.36	2,092.80	1,128.00	7,082.00	760.00	360.00	4,267.00
			44.87			137.67
293.86	171.83	72.05	2,798.25	160.38	62.25	12.36
17,867.87	24,388.66	25,643.93	174,039.71	8,171.22	3,942.75	105,899.90
7,740.66	12,616.79	15,051.43	118,670.61	5,979.94	1,977.69	73,220.45
			948.08			
949.66	489.32	779.51	7,673.18	53.37	409.19	6,375.28
94.30		180.29	81.15	104.66		295.05
184.75	163.63	78.50	1,253.47			1,622.15
9.39	6.08	5.76				123.68
419.47	384.76	266.61	1,169.60	105.54	44.50	1,009.33
1,840.20	1,392.84	558.98	2,763.53	337.80	281.72	2,755.88
1,089.32	2,307.88	567.12	2,840.18	343.64	276.49	3,106.74
		50.86	1,349.35	3.90		1,891.13
			2,112.41			484.19
	1,050.00			4.62	2.00	93.16
	1,500.00					
801.00	2,129.00	1,763.00	5,510.00	410.00	255.00	3,038.00
13,128.75	22,040.30	19,302.06	144,371.56	7,343.47	3,246.59	94,015.04
4,739.12	2,348.36	6,341.87	29,668.15	827.75	696.16	11,884.86
329	340	240	1,033	119	74	897
68	68	65	116	30	16	193
3	2	20	32	7	1	26
400	410	325	1,181	156	91	1,116

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Ingersoll	Iroquois	Jarvis	Kemptville
Population.....	6,448	1,049	651	1,513
EARNINGS	\$	\$	\$	\$
Domestic service.....	68,827.88	14,479.20	4,508.06	21,476.53
Commercial light service.....	36,972.44	5,443.05	4,307.27	10,004.85
Commercial power service.....	74,646.52	1,343.52	4,626.77	16,780.76
Municipal power.....	7,479.99	1,100.57		1,216.63
Street lighting.....	6,769.08	1,670.00	858.00	2,007.00
Merchandise.....				457.02
Miscellaneous.....	2,993.25	304.75	304.23	444.72
Total earnings.....	197,689.16	24,341.09	14,604.33	52,387.51
EXPENSES				
Power purchased.....	143,776.98	17,773.63	8,517.62	31,428.60
Substation operation.....	2,888.45			
Substation maintenance.....				
Distribution system, operation and maintenance.....	5,079.85	770.38	172.21	3,723.77
Line transformer maintenance.....	813.58	309.51		206.85
Meter maintenance.....	1,466.09	565.59	268.79	1,461.80
Consumers' premises expenses.....	2,031.37	231.39		152.13
Street lighting, operation and maintenance.....	961.35	451.37	171.48	190.06
Promotion of business.....	170.16			
Billing and collecting.....	3,530.11	1,687.88	966.98	2,093.40
General office, salaries and expenses.....	10,842.00	2,012.11	180.52	1,164.18
Undistributed expenses.....	3,059.89	103.86		152.13
Truck operation and maintenance.....	1,505.42	438.84		886.41
Interest.....	3,439.46			22.60
Sinking fund and principal payments on debentures.....	2,617.58			
Depreciation.....	8,748.00	793.00	681.00	1,973.00
Other reserves.....				
Total operating costs and fixed charges.....	190,930.29	25,137.56	10,958.60	43,302.80
Net surplus.....	6,758.87		3,645.73	9,084.71
Net loss.....		796.47		
NUMBER OF CUSTOMERS				
Domestic service.....	1,880	359	192	498
Commercial light service.....	254	66	50	92
Power service.....	46	7	6	13
Total.....	2,180	432	248	603

Utilities for Year Ended December 31, 1952

Kincardine	Kingston	Kingsville	Kirkfield	Kitchener	Lakefield	Lambeth
2,633	43,845	2,668	218	50,363	1,792	1,210
\$	\$	\$	\$	\$	\$	\$
32,261.39	471,885.82	30,556.89	2,235.76	640,153.30	18,608.24	23,831.25
18,121.93	312,755.01	20,974.34	1,920.53	298,772.90	13,452.22	2,785.11
20,235.25	229,156.18	7,281.10		768,354.79	17,559.21	1,248.74
1,465.95	16,906.14	1,342.54		48,722.92		755.55
5,437.57	32,693.24	3,591.14	432.00	78,418.64	2,059.41	1,251.34
43.31						
858.89	16,498.84	1,356.06	92.32	4,171.02	896.23	113.48
78,424.29	1,079,895.23	65,102.07	4,680.61	1,838,593.57	52,575.31	29,985.47
48,778.00	692,674.82	39,349.20	1,881.20	1,179,868.22	29,091.95	16,762.68
1,820.38	20,641.84			23,123.40		
	3,431.71			19,994.49		
2,673.14	40,683.27	3,446.22	287.15	73,892.32	2,826.56	479.46
210.77	3,123.43	373.29	57.14	8,197.92	16.32	361.85
822.92	14,706.35	1,232.12	96.22	21,072.73	560.52	322.94
2,169.89				4,678.03		79.99
1,072.89	7,263.51	1,086.58	118.96	21,057.95	472.66	393.24
	378.98	13.70		1,148.28		
2,461.35	25,918.10	3,318.52	206.28	34,746.64	2,957.07	1,195.93
2,424.82	55,028.59	2,646.49	113.46	40,551.58	2,527.07	929.01
1,111.43	21,796.56			781.51	212.31	
474.88	12,860.65	275.70			949.77	
	885.19	406.52		18,776.09		1,057.78
		2,043.42		35,150.00		1,656.48
4,113.00	65,898.00	2,300.00	239.00	80,634.00	2,262.00	1,343.00
68,134.37	965,291.00	56,491.76	2,999.41	1,563,673.16	41,876.23	24,582.36
10,289.92	114,604.23	8,610.31	1,681.20	274,920.41	10,699.08	5,403.11
877	11,042	878	64	13,479	503	389
158	1,371	191	27	1,452	103	32
24	215	26		362	10	6
1,059	12,628	1,095	91	15,293	616	427

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Lanark	Lancaster	La Salle	Leaming- ton	Lindsay
Population.....	806	574	1,985	7,552	9,753
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	6,879.92	4,440.20	34,135.22	64,201.18	120,225.51
Commercial light service.....	4,639.13	2,991.21	7,981.61	38,560.19	68,003.40
Commercial power service.....	1,077.22		1,037.73	49,630.86	71,908.97
Municipal power.....				3,599.26	4,023.92
Street lighting.....	806.00	547.50	1,270.00	9,558.08	9,184.97
Merchandise.....					957.78
Miscellaneous.....	368.59	168.98	701.35	479.93	2,494.73
Total earnings.....	13,770.86	8,147.89	45,125.91	166,029.50	276,799.28
EXPENSES					
Power purchased.....	5,015.26	3,391.42	24,978.01	120,434.84	185,282.66
Substation operation.....				902.42	6,893.72
Substation maintenance.....					13.35
Distribution system, operation and maintenance.....	346.77	303.74	1,575.18	3,414.59	5,915.62
Line transformer maintenance.....	54.25		138.07	1,262.08	1,212.95
Meter maintenance.....	140.74	67.79	240.59	1,843.22	3,456.05
Consumers' premises expenses.....			302.33		9,595.53
Street lighting, operation and main- tenance.....	235.65	102.67	183.75	1,937.70	980.72
Promotion of business.....			17.52	13.43	
Billing and collecting.....	708.52	496.76	1,705.16	5,771.20	9,335.96
General office, salaries and expenses	315.14	201.92	1,345.90	6,965.61	16,855.87
Undistributed expenses.....			59.44	1,728.45	7,413.30
Truck operation and maintenance.....				1,602.85	1,999.80
Interest.....			246.10		775.13
Sinking fund and principal pay- ments on debentures.....					
Depreciation.....	693.00	326.00	2,326.00	8,482.00	11,125.00
Other reserves.....				450.00	
Total operating costs and fixed charges.....	7,509.33	4,890.30	33,118.05	154,808.39	260,855.66
Net surplus.....	6,261.53	3,257.59	12,007.86	11,221.11	15,943.62
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	236	146	530	2,168	2,781
Commercial light service.....	48	32	46	394	441
Power service.....	1		4	55	82
Total.....	285	178	580	2,617	3,304

Utilities for Year Ended December 31, 1952

Listowel 3,457	London 97,109	London Twp. (V.A.)	Long Branch 8,684	Lucan 854	Lucknow 870	Lynden 435
\$	\$	\$	\$	\$	\$	\$
43,612.82	1,007,359.18	40,109.76	92,338.52	12,426.70	10,926.69	6,026.56
29,438.26	477,143.75	5,338.92	26,995.41	6,216.11	5,985.16	1,140.19
27,703.73	766,924.82	1,293.57	35,468.82	2,181.10	7,161.87	2,229.73
1,663.83	47,754.60		2,318.66		549.80	
5,800.56	71,026.61	1,523.80	8,833.04	1,636.02	2,251.00	500.0
248.06	4,639.21					
588.14	35,995.14	126.78	429.69	260.47	663.60	232.28
109,055.40	2,410,843.31	48,392.83	166,384.14	22,720.40	27,538.12	10,128.76
73,112.13	1,563,088.52	36,456.29	117,358.86	14,466.59	19,903.93	7,145.22
974.67	76,061.62					
4,350.02	79,989.59	1,667.66	12,030.24	568.78	1,869.26	120.30
406.93	22,091.72	315.06	2,233.02	175.99		148.18
371.34	27,827.63	21.12	625.01	10.00	324.52	245.34
513.81	150,478.39	312.58	3,510.41	732.24		
1,117.01	17,879.86	638.25	4,021.93	144.37	351.87	134.32
79.91	1,992.16					
2,995.46	61,748.24	2,963.17	11,491.86	987.09	1,682.83	295.24
2,521.94	124,258.30	585.72	5,615.69	633.12	1,254.97	310.68
1,065.65				31.80	60.30	
1,261.81	5,250.61				11.12	
9.65	30,768.66	1,269.81	1,576.12	210.64	13.25	
	23,000.00					
3,847.00	120,122.00	2,473.00	6,303.00	1,353.00	1,357.00	571.00
	15,040.79		250.00			
92,627.33	2,319,598.09	46,702.66	165,016.14	19,313.62	26,829.05	8,970.28
16,428.07	91,245.22	1,690.17	1,368.00	3,406.78	709.07	1,158.48
1,055	25,670	813	2,342	255	344	134
196	2,473	27	242	62	106	16
34	422	4	28	5	10	3
1,285	28,565	844	2,612	322	460	153

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Madoc	Magnet- awan	Markdale	Markham	Marmora
Population.....	1,291	215	985	1,787	1,154
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	14,827.87	3,046.02	8,413.51	23,828.53	10,725.59
Commercial light service.....	11,682.63	2,376.79	6,956.24	7,762.03	8,047.61
Commercial power service.....	10,327.41	43.97	1,056.34	4,935.06	1,505.56
Municipal power.....	310.73		409.92	450.37	
Street lighting.....	2,626.90	660.00	1,360.00	1,783.00	2,245.00
Merchandise.....					
Miscellaneous.....	282.30	47.63	1.35	425.04	262.89
Total earnings.....	40,057.84	6,174.41	18,197.36	39,184.03	22,786.65
EXPENSES					
Power purchased.....	22,719.34	1,965.90	13,247.93	24,603.15	11,696.70
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	3,396.66	175.45	621.44	1,806.53	2,007.58
Line transformer maintenance.....	156.53			223.81	90.63
Meter maintenance.....	1,060.27	70.95	458.93	60.00	503.28
Consumers' premises expenses.....			20.38		6.00
Street lighting, operation and main- tenance.....	791.81	144.08	470.06	180.00	317.30
Promotion of business.....					
Billing and collecting.....	2,086.42	224.28	1,038.55	1,925.29	1,071.29
General office, salaries and expenses	1,091.37	97.71	312.07	1,016.27	838.32
Undistributed expenses.....	185.64				405.32
Truck operation and maintenance.....					
Interest.....		1,233.86	3.71		
Sinking fund and principal pay- ments on debentures.....					
Depreciation.....	1,758.00	431.00	1,054.00	1,871.00	979.00
Other reserves.....				50.00	
Total operating costs and fixed charges.....	33,246.04	4,343.23	17,227.07	31,736.05	17,915.42
Net surplus.....	6,811.80	1,831.18	970.29	7,447.98	4,871.23
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	401	62	271	521	323
Commercial light service.....	115	20	90	88	64
Power service.....	10	1	7	13	2
Total.....	526	83	368	622	389

Utilities for Year Ended December 31, 1952

Martintown	Maxville	Meaford	Merlin	Merrickville	Merritton	Midland
125	723	3,352	673	965	4,909	7,480
\$	\$	\$	\$	\$	\$	\$
2,310.62	6,825.43	35,487.45	4,502.45	10,352.04	56,139.44	76,350.00
1,827.69	4,861.62	21,365.85	4,480.08	4,611.57	13,787.24	34,063.48
.....	1,178.05	21,590.55	2,046.69	5,666.99	365,317.16	112,053.10
.....	.....	1,227.67	.....	449.27	2,029.88	3,721.30
253.00	1,104.00	4,206.04	967.00	1,479.96	7,728.75	6,867.08
.....	.....	259.94	.....	.....	292.97	94.19
80.70	261.40	1,290.07	1,841.88	40.92	2,622.94	5,241.80
4,472.01	14,230.50	85,427.57	13,838.10	22,600.75	447,918.38	238,390.95
2,862.02	8,469.55	53,556.93	6,811.72	7,277.96	395,698.12	184,459.70
.....	.....	.....	.....	.....	1,405.70	7,004.00
.....	.....	.....	.....	.....	.....	5.05
158.41	773.36	5,452.96	551.81	446.56	9,091.31	5,447.34
9.14	35.93	200.50	36.40	43.61	175.86	1,932.62
119.31	267.77	956.41	134.21	271.07	1,327.75	2,715.21
.....	.....	378.79	214.23	66.11	481.10	151.76
60.96	214.59	578.14	191.02	807.98	1,411.00	1,606.66
.....	.....	.....	.....	.....	245.00	.....
445.57	881.86	2,458.33	634.75	1,114.44	6,663.48	4,564.11
122.39	287.07	1,769.74	1,170.87	549.99	8,069.67	8,586.95
.....	27.58	736.53	.....	.....	2,951.45	4,643.42
.....	.....	808.19	.....	.....	3,413.06	1,262.36
.....	18.77	.....	2.57	843.50	132.18	1,323.19
.....	.....	.....	.....	900.00	.....	.....
265.00	807.00	3,293.00	1,177.00	721.00	8,536.25	11,957.00
.....	.....	100.00	.....	.....	.....	.....
4,042.80	11,783.48	70,289.52	10,924.58	13,042.22	439,601.93	235,659.37
429.21	2,447.02	15,138.05	2,913.52	9,558.53	8,316.45	2,731.58
.....
.....
75	206	1,038	156	268	1,313	2,099
25	51	188	59	53	96	247
.....	1	28	4	10	23	60
100	258	1,254	219	331	1,432	2,406

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Mildmay	Millbrook	Milton	Milverton	Mimico
Population	886	720	2,560	1,068	11,975
EARNINGS	\$	\$	\$	\$	\$
Domestic service	8,753.18	10,307.81	33,759.63	13,946.12	155,728.40
Commercial light service	5,457.71	5,021.41	15,593.65	8,407.68	40,879.53
Commercial power service	1,687.47	757.66	46,336.80	9,376.85	26,849.40
Municipal power	189.57		1,240.52	545.70	9,656.42
Street lighting	938.30	1,177.42	5,034.84	1,411.08	10,710.00
Merchandise	34.80			8.23	
Miscellaneous	251.19	169.79	756.00	129.18	5,161.55
Total earnings	17,312.22	17,434.09	102,721.44	33,824.84	248,985.30
EXPENSES					
Power purchased	10,589.25	9,550.44	76,555.90	25,656.79	136,419.61
Substation operation					
Substation maintenance			186.23		756.69
Distribution system, operation and maintenance	1,118.65	694.94	3,864.89	1,674.16	21,481.57
Line transformer maintenance			760.21	38.85	134.69
Meter maintenance	66.25	142.74	1,526.27	45.66	922.13
Consumers' premises expenses	85.00	11.74	1,352.00	3.46	694.93
Street lighting, operation and maintenance	259.41	214.99	841.78	305.92	2,910.21
Promotion of business					
Billing and collecting	553.65	1,983.32	4,033.64	1,200.85	9,361.62
General office, salaries and expenses	458.90	1,595.06	6,073.23	851.15	11,083.10
Undistributed expenses	32.41			58.35	
Truck operation and maintenance				318.98	
Interest	59.73		1,084.94	42.86	5,312.50
Sinking fund and principal payments on debentures	1,032.35		690.65		4,000.00
Depreciation	657.00	713.00	5,122.00	1,331.00	14,382.00
Other reserves					300.00
Total operating costs and fixed charges	14,912.60	14,906.23	102,091.74	31,528.03	207,759.05
Net surplus	2,399.62	2,527.86	629.70	2,296.81	41,226.25
Net loss					
NUMBER OF CUSTOMERS					
Domestic service	241	247	760	324	3,384
Commercial light service	66	68	128	86	272
Power service	7	2	22	15	46
Total	314	317	910	426	3,702

Utilities for Year Ended December 31, 1952

Mitchell 1,972	Moorefield 281	Morrisburg 1,858	Mount Brydges 666	Mount Forest 2,198	Napanee 3,863	Neustadt 455
\$	\$	\$	\$	\$	\$	\$
32,454.79	2,871.47	20,571.39	5,775.12	24,411.78	53,147.75	4,152.38
15,221.31	2,030.40	13,758.39	1,755.34	17,668.57	39,219.01	2,655.51
15,200.61	1,376.92	8,044.01	2,053.37	12,429.24	22,409.03	1,992.67
2,530.98		1,498.36		946.41	1,327.29	
4,092.68	350.00	3,348.00	947.00	2,758.00	4,755.55	644.00
					3,339.07	
1,510.61	80.57	1,133.12	100.51	727.05	6,073.16	495.00
71,010.98	6,709.36	48,353.27	10,631.34	58,941.05	130,270.86	9,939.56
39,882.80	3,267.46	27,017.27	7,594.70	36,718.90	76,296.98	5,011.82
1,531.79		3,301.75				
4,395.34	65.36	2,525.74	1,256.84	2,403.73	6,029.37	218.87
583.64		420.99	28.00	314.81	149.59	
820.80	35.44	1,168.95	84.09	695.28	1,476.69	237.10
2,578.15			20.32		2,126.37	
925.75	36.03	536.38	147.81	562.20	1,394.71	42.89
1,302.29						
1,880.20	228.10	2,354.21	968.04	2,445.97	3,373.77	947.26
2,477.49	66.51	2,393.22	37.85	1,008.69	10,788.64	549.39
1,777.74	5.00	1,029.77		140.13	1,004.82	33.22
1,035.10		671.35		953.28	1,688.67	
1,227.85					11.59	2.25
800.00						
4,772.00	229.00	1,460.00	832.00	1,530.00	5,110.00	586.00
65,990.94	3,932.90	42,879.63	10,969.65	46,772.99	109,451.20	7,628.80
5,020.04	2,776.46	5,473.64		12,168.06	20,819.66	2,310.76
			338.31			
640	86	535	221	657	1,133	151
130	37	144	50	161	241	36
27	2	30	4	21	31	3
797	125	709	275	839	1,405	190

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Newboro	Newburgh	Newbury	Newcastle	New Hamburg
Population.....	305	435	299	959	1,759
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	3,798.26	5,161.85	3,463.35	11,970.04	22,475.71
Commercial light service.....	1,617.93	2,975.89	1,328.59	5,628.83	11,537.63
Commercial power service.....		1,333.87	199.27	8,397.00	13,031.01
Municipal power.....					
Street lighting.....	773.30	555.00	720.00	1,538.76	2,627.28
Merchandise.....					767.15
Miscellaneous.....	3.47	6.78	197.92	344.90	419.20
Total earnings.....	6,192.96	10,033.39	5,909.13	27,879.53	50,857.98
EXPENSES					
Power purchased.....	1,767.51	3,951.80	3,238.03	17,296.10	32,836.03
Substation operation.....					376.66
Substation maintenance.....					
Distribution system, operation and maintenance.....	98.38	56.55	80.68	1,746.61	2,212.21
Line transformer maintenance.....	43.15	27.24		73.25	138.38
Meter maintenance.....	6.16	84.46	3.12	514.25	498.06
Consumers' premises expenses.....				254.00	1,272.70
Street lighting, operation and main- tenance.....	58.32	65.23	142.78	426.73	402.65
Promotion of business.....					
Billing and collecting.....	318.57	845.80	300.31	1,555.42	1,701.22
General office, salaries and expenses	293.79	119.91	113.00	1,147.81	1,456.52
Undistributed expenses.....			3.50	354.44	538.23
Truck operation and maintenance.....				217.07	261.25
Interest.....	473.51	482.50			1.06
Sinking fund and principal pay- ments on debentures.....	671.20	1,000.00			
Depreciation.....	420.00	621.00	362.00	760.00	2,262.00
Other reserves.....					
Total operating costs and fixed charges.....	4,150.59	7,254.49	4,243.42	24,345.68	43,956.97
Net surplus.....	2,042.37	2,778.90	1,665.71	3,533.85	6,901.01
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	88	132	99	300	476
Commercial light service.....	16	25	22	48	118
Power service.....		3	1	10	19
Total.....	104	160	122	358	613

Utilities for Year Ended December 31, 1952

Newmarket 5,749	New Toronto 11,236	Niagara 2,240	Niagara Falls 24,158	North York Twp. 96,717	Norwich 1,419	Norwood 1,002
\$	\$	\$	\$	\$	\$	\$
66,258.99	109,395.10	43,809.18	217,343.04	1,741,300.61	19,422.58	11,031.44
31,958.36	57,758.57	13,556.95	154,356.74	313,952.51	9,922.81	6,730.82
34,764.66	315,913.35	2,154.71	165,564.74	291,939.69	3,080.18	4,907.58
2,127.50	16,906.86	1,213.26	21,305.28	33,164.55	497.76	324.89
8,096.50	10,987.95	4,722.08	43,963.10	39,355.44	2,550.00	3,030.00
214.37	6,722.71	1,428.17	5,137.50	5,794.66	2.18	172.42
143,420.38	517,684.54	300.00	607,670.40	2,425,507.46	35,849.80	26,197.15
95,332.16	403,051.85	38,615.04	356,512.46	1,419,719.30	25,227.31	13,471.21
321.56		239.90	19,755.78	12,963.71		
8,284.16	10,120.27	4,264.38	27,133.87	132,615.83	3,567.49	531.44
672.59	4,005.66	942.06	2,745.72	13,826.87	69.62	16.21
847.93	4,039.34	948.13	10,249.72	13,293.11	206.51	12.46
	127.32	76.19	9,348.58	14,454.64	1,544.07	32.81
1,450.25	2,869.97	909.24	5,812.79	13,649.91	250.71	509.40
6,144.07	8,550.17	2,080.35	22,275.28	96,029.76	1,019.69	1,148.41
4,816.80	19,191.52	2,060.32	20,263.26	56,712.19	1,477.87	1,308.21
		1,090.10	12,456.96		255.06	
		709.95	6,053.83			
2,117.49		129.15	213.62	121,473.58	225.73	810.00
2,195.92		1,200.00		126,160.79		1,000.00
6,597.00	13,222.00	4,560.41	46,573.15	110,956.00	1,584.00	2,537.00
				2,330.00		
128,779.93	465,178.10	57,825.22	539,395.02	2,134,185.69	35,428.06	21,377.15
14,640.45	52,506.44	9,359.13	68,275.38	291,321.77	421.74	4,820.00
1,580	2,436	907	5,964	29,472	464	283
237	324	114	978	1,733	97	73
43	76	13	156	242	11	5
1,860	2,836	1,034	7,098	31,447	572	361

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Oakville	Oil Springs	Omemee	Orangeville	Orono
Population.....	7,101	477	762	3,420	594
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	82,509.85	3,671.36	8,010.36	38,477.75	10,620.15
Commercial light service.....	60,276.33	2,078.76	3,582.18	26,846.54	3,599.48
Commercial power service.....	73,326.50	5,542.35	1,801.41	8,924.65	559.69
Municipal power.....	6,212.38	188.69		660.57	
Street lighting.....	6,997.96	746.00	1,214.07	5,163.04	851.50
Merchandise.....				243.42	
Miscellaneous.....	168.55	1,191.19	351.87	1,858.24	269.95
Total earnings.....	229,491.57	13,418.35	14,959.89	82,174.21	15,900.77
EXPENSES					
Power purchased.....	134,830.03	8,410.20	8,088.33	57,477.93	8,055.88
Substation operation.....					
Substation maintenance.....	500.01				
Distribution system, operation and maintenance.....	6,017.45	931.01	1,043.52	4,314.94	349.00
Line transformer maintenance.....	1,446.60	163.55	81.27	340.82	34.64
Meter maintenance.....	934.76	135.20	615.81	1,301.59	251.81
Consumers' premises expenses.....	577.11				
Street lighting, operation and maintenance.....	1,745.09	88.75	362.40	851.94	171.15
Promotion of business.....					
Billing and collecting.....	8,887.83	963.66	742.71	3,146.35	1,600.02
General office, salaries and expenses.....	13,867.83	395.01	415.79	2,011.56	1,651.55
Undistributed expenses.....			48.25	567.75	178.19
Truck operation and maintenance.....				422.22	
Interest.....	4,358.76			23.54	
Sinking fund and principal payments on debentures.....	1,625.00				
Depreciation.....	11,827.00	907.00	844.00	4,304.00	781.00
Other reserves.....					
Total operating costs and fixed charges.....	186,617.47	11,994.38	12,242.08	74,762.64	13,073.24
Net surplus.....	42,874.10	1,423.97	2,717.81	7,411.57	2,827.53
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	2,078	134	227	976	245
Commercial light service.....	332	40	40	227	43
Power service.....	88	33	6	33	3
Total.....	2,498	207	273	1,236	291

Utilities for Year Ended December 31, 1952

Oshawa	Ottawa	Otterville	Owen Sound	Paisley	Palmerston	Paris
41,631	200,936	600	16,724	728	1,614	5,337
\$	\$	\$	\$	\$	\$	\$
591,010.29	2,529,104.05	6,954.77	196,573.10	8,785.63	21,231.98	51,631.80
205,790.30	2,137,095.16	3,138.72	110,931.14	5,371.17	10,962.24	17,059.07
633,801.80	622,652.63	762.95	134,294.31	2,177.70	9,925.09	35,845.20
18,104.52	148,504.63	117.43	321.92	252.46	1,476.51	1,165.60
51,627.39	158,712.50	961.50	15,919.06	1,929.00	3,107.26	7,420.90
.....	.....	.....	1,147.16	33.90	81.46	.....
33,767.57	38,023.30	202.45	2,826.01	144.33	848.97	854.72
1,534,101.87	5,634,092.27	12,137.82	462,012.70	18,694.19	47,633.51	113,977.29
994,710.24	2,753,882.70	7,567.53	291,540.65	10,388.05	28,850.90	77,356.54
3,826.22	368,102.58	.....	9,616.39	.....	.....	1,428.73
.....	27,059.13	.....	631.12	.....	.....	.....
47,430.80	223,725.55	1,953.82	12,077.39	1,248.64	2,057.98	6,177.70
665.10	47,674.25	.....	2,087.37	78.21	351.33	832.93
15,264.31	70,471.34	164.31	4,319.17	97.17	401.14	1,553.54
17,673.03	25,306.86	165.08	5,206.52	.....	332.08	437.26
7,685.33	42,153.44	152.07	3,514.11	455.36	694.82	3,498.15
582.25	.....	.....	353.06	.....	.....	.....
39,751.25	235,874.15	486.64	19,384.58	855.21	1,591.89	3,163.61
41,059.77	106,640.24	454.01	19,191.00	853.79	2,275.48	2,864.16
.....	.....	5.00	1,340.76	24.65	495.04	1,561.57
.....	.....	.....	.....	.....	518.61	2,240.32
4,491.00	165,129.28	5.10	3,044.80	.....	.....	1,125.00
.....	259,901.15	.....	5,500.00	.....	.....	800.00
60,305.00	518,902.00	616.00	18,747.00	1,081.00	1,724.00	9,032.00
.....	34,545.00	15.54	.....	.....	.....	.....
1,233,444.30	4,879,367.67	11,585.10	396,553.92	15,082.08	39,293.27	112,071.51
300,657.57	754,724.60	552.72	65,458.78	3,612.11	8,340.24	1,905.78
11,376	53,331	201	4,658	251	486	1,440
1,079	7,565	52	674	65	100	210
188	995	9	123	7	21	33
12,643	61,891	262	5,455	323	607	1,683

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Parkhill	Parry Sound	Penetang- uishene	Perth
Population	976	5,170	4,996	4,991
EARNINGS	\$	\$	\$	\$
Domestic service.....	15,069.14	58,480.29	31,937.57	56,470.95
Commercial light service.....	8,737.50	36,434.50	17,824.44	30,556.74
Commercial power service.....	5,176.10	11,324.88	23,385.80	24,991.76
Municipal power.....	795.24	3,184.20	2,026.11	1,082.41
Street lighting.....	2,414.18	7,879.52	3,204.92	5,849.70
Merchandise.....			72.84	4,131.25
Miscellaneous.....	54.34	2,938.13	2,174.50	2,813.85
Total earnings.....	32,246.50	120,241.52	80,626.18	125,896.66
EXPENSES				
Power purchased.....	19,152.34	26,339.67	54,872.20	82,550.00
Substation operation.....		15,305.03		120.00
Substation maintenance.....		5,082.15		
Distribution system, operation and maintenance.....	2,794.78	5,502.48	5,182.49	6,727.23
Line transformer maintenance.....	209.42	1,344.22	306.46	167.73
Meter maintenance.....	164.47	2,192.55	1,228.66	797.87
Consumers' premises expenses.....	107.70	374.02	305.03	40.02
Street lighting, operation and main- tenance.....	446.91	1,273.39	583.54	1,253.60
Promotion of business.....				
Billing and collecting.....	1,133.10	4,372.47	3,593.42	3,850.96
General office, salaries and expenses.....	406.74	10,190.88	2,298.54	6,039.60
Undistributed expenses.....	73.52	5,969.14	1,300.75	581.90
Truck operation and maintenance.....	179.73	2,260.90	501.01	1,627.87
Interest.....	504.00	51.40		
Sinking fund and principal payments on debentures.....	600.00	1,713.43		
Depreciation.....	1,673.00	10,335.00	3,407.00	4,442.00
Other reserves.....		90.12		
Total operating costs and fixed charges.....	27,445.71	92,396.85	73,579.10	108,198.78
Net surplus.....	4,800.79	27,844.67	7,047.08	17,697.88
Net loss.....				
NUMBER OF CUSTOMERS				
Domestic service.....	359	1,381	1,061	1,462
Commercial light service.....	92	249	156	240
Power service.....	12	22	21	33
Total.....	463	1,652	1,238	1,735

Utilities for Year Ended December 31, 1952

Peter- borough 38,392	Petrolia 3,130	Picton 4,103	Plattsville 416	Point Edward 1,955	Port Colborne 12,744	Port Credit 4,000
\$	\$	\$	\$	\$	\$	\$
471,277.01	27,466.10	49,432.95	6,669.10	20,798.55	86,502.92	61,003.99
196,404.22	19,655.29	31,620.73	3,744.77	8,379.61	57,618.68	23,117.90
372,154.89	24,703.72	14,597.04	3,911.87	106,314.79	50,464.97	15,526.84
13,951.06		3,513.66			7,810.90	4,959.48
49,302.50	3,790.61	3,983.04	459.00	2,442.06	13,004.20	3,868.00
					98.70	
842.02	1,515.49	1,765.56	130.34	1,264.15	3,300.99	759.87
1,103,931.70	77,131.21	104,912.98	14,915.08	139,199.16	218,801.36	109,236.08
747,570.17	37,317.16	78,198.47	10,997.49	88,110.54	119,055.56	69,999.25
17,785.93	298.48	118.70				
3,959.84						
36,793.84	5,034.58	3,496.89	94.95	1,266.58	19,784.63	4,284.79
2,841.83	361.10	155.58		395.08	1,421.99	366.99
25,871.64	1,485.83	680.86	44.65	522.61	2,338.88	272.43
22,084.11	3,967.15	80.66		1,957.31	3,680.28	1,437.23
11,323.29	587.51	471.93	56.81	541.48	5,327.30	1,273.60
466.25				22.16		
31,495.03	4,505.96	5,122.15	320.37	3,593.65	10,448.48	3,916.32
18,522.28	7,147.61	2,445.59	37.80	4,277.90	5,583.30	2,111.24
33,705.62	3,221.03	660.44	5.00	29.16	4,707.61	
11,097.36	1,786.27	481.05			2,012.11	
13,878.11	217.61	1.40	1.87	24.07		2,253.43
18,400.00						4,179.22
63,245.00	6,266.00	6,283.00	449.00	2,654.00	10,032.13	5,000.00
500.00				100.00		
1,059,540.30	72,196.29	98,196.72	12,007.94	103,494.54	184,392.27	95,094.50
44,391.40	4,934.92	6,716.26	2,907.14	35,704.62	34,409.09	14,141.58
10,256	941	1,361	144	516	3,164	1,164
1,301	183	266	31	58	427	152
203	59	41	2	14	53	22
11,760	1,183	1,668	177	588	3,644	1,338

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Port Dalhousie	Port Dover	Port Elgin	Port Hope	Port McNicol
Population.....	2,612	2,411	1,595	6,400	831
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	47,044.58	23,093.84	29,869.65	89,544.48	9,575.25
Commercial light service.....	10,032.37	13,138.68	15,200.74	35,666.37	2,090.47
Commercial power service.....	9,750.25	8,769.59	6,597.45	83,724.51	39,450.55
Municipal power.....			747.42	2,542.02	476.90
Street lighting.....	2,568.51	3,351.58	3,249.56	8,484.58	1,085.00
Merchandise.....			98.00		52.16
Miscellaneous.....		46.75	248.18	749.93	113.07
Total earnings.....	69,395.71	48,400.44	56,011.00	220,711.89	52,843.40
EXPENSES					
Power purchased.....	41,770.57	31,751.05	30,009.41	170,255.90	40,745.90
Substation operation.....					
Substation maintenance.....				84.46	
Distribution system, operation and maintenance.....	5,360.13	4,070.05	4,594.60	6,662.86	1,031.09
Line transformer maintenance.....	213.34	440.64	374.34	238.04	73.99
Meter maintenance.....	1,730.15	1,419.25	428.84	2,142.12	293.32
Consumers' premises expenses.....	506.15	11.57	134.36	2,327.02	16.50
Street lighting, operation and main- tenance.....	328.21	611.70	523.49	1,357.64	198.67
Promotion of business.....					
Billing and collecting.....	3,306.70	1,807.91	2,371.76	6,128.69	1,075.75
General office, salaries and expenses	3,390.41	1,327.33	1,704.90	8,332.10	731.23
Undistributed expenses.....	2,317.00	212.21	208.68	5,249.33	79.39
Truck operation and maintenance	1,105.98	770.45	1,769.44	1,529.70	
Interest.....	496.29	19.83		417.38	103.73
Sinking fund and principal pay- ments on debentures.....	1,552.31			1,300.00	300.00
Depreciation.....	2,613.80	3,790.00	2,291.00	7,707.00	872.00
Other reserves.....					
Total operating costs and fixed charges.....	64,691.04	46,231.99	44,410.82	213,732.24	45,521.57
Net surplus.....	4,704.67	2,168.45	11,600.18	6,979.65	7,321.83
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	944	1,033	685	1,961	350
Commercial light service.....	86	178	151	263	32
Power service.....	12	22	12	45	2
Total.....	1,042	1,233	848	2,269	384

Utilities for Year Ended December 31, 1952

Port Perry 1,817	Port Rowan 792	Port Stanley 1,383	Prescott 3,784	Preston 8,189	Priceville 151	Princeton 350
\$	\$	\$	\$	\$	\$	\$
25,224.66	6,065.92	30,330.90	48,323.18	90,715.95	1,630.66	5,334.69
10,953.77	5,952.57	11,016.70	25,912.45	34,451.61	1,039.81	1,696.83
3,783.11	481.67	11,451.26	18,293.10	124,448.75		1,876.73
.....	582.05	1,107.22	1,672.39	1,746.00	.....	.....
2,078.79	965.00	3,432.50	4,842.50	10,229.58	267.00	589.00
60.00	.....	.....	.....	.....	.....	.....
490.32	46.30	384.74	425.79	2,432.20	19.10	215.39
42,590.65	14,093.51	57,723.32	99,469.41	264,024.09	2,956.57	9,712.64
.....
22,475.67	6,813.64	28,822.21	59,599.91	179,218.32	858.46	6,207.27
.....	.....	.....	2,467.96	2,686.27	.....	.....
.....	.....	.....	.....	5,428.62	.....	.....
3,114.53	545.91	3,792.86	4,308.46	9,267.70	33.46	178.57
248.26	33.21	86.33	170.33	2,310.31	.....	43.53
456.14	136.36	820.69	661.15	2,662.48	43.75	52.50
611.45	.....	56.77	1,332.08	836.37	.....	14.20
469.21	131.41	906.67	1,015.77	1,532.66	50.75	72.57
.....
2,028.73	591.01	3,039.54	3,754.86	4,711.10	185.09	504.71
1,473.87	58.35	1,286.27	5,705.84	6,451.30	143.09	75.45
4.62	180.18	.....	1,063.28	1,943.73	.....	.....
.....	325.39	326.84	504.43	1,764.25	.....	.....
.....	30.00	8.01	385.00	9,717.08	210.93	.....
.....	.....	.....	1,100.00	5,800.00	225.00	.....
1,630.00	840.00	3,222.00	3,102.00	15,549.00	367.00	493.00
.....
32,512.48	9,685.46	42,368.19	85,171.07	249,879.19	2,117.53	7,641.80
10,078.17	4,408.05	15,355.13	14,298.34	14,144.90	839.04	2,070.84
.....
.....
537	256	1,041	1,000	2,125	53	120
114	64	119	190	254	12	26
10	5	16	26	68	.....	5
661	325	1,176	1,216	2,447	65	151

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Queenston	Renfrew	Richmond	Richmond Hill	Ridgetown
Population	331	7,533	603	3,140	2,280
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	6,152.21	71,135.62	7,564.30	35,254.60	17,368.41
Commercial light service.....	3,803.31	30,615.70	3,405.49	14,547.77	16,889.16
Commercial power service.....		64,884.96	274.57	3,985.75	7,331.04
Municipal power.....		4,638.26		1,169.21	1,490.92
Street lighting.....	768.00	6,839.89	607.50	1,772.50	4,896.00
Merchandise.....					
Miscellaneous.....	190.50	3,655.09	11.19	16.77	482.49
Total earnings.....	10,914.02	181,769.52	11,863.05	56,746.60	48,458.02
EXPENSES					
Power purchased.....	6,512.82	55,335.45	5,648.93	40,266.85	29,422.16
Substation operation.....		39,157.59			
Substation maintenance.....		6,386.46			
Distribution system, operation and maintenance.....	1,019.96	9,650.43	307.33	871.79	4,297.09
Line transformer maintenance.....	13.31	1,594.17	50.55	94.82	133.35
Meter maintenance.....	72.26	1,764.70	42.09	85.09	1,956.81
Consumers' premises expenses.....	286.73	179.91		83.08	36.21
Street lighting, operation and maintenance.....	172.68	1,343.32	77.49	212.41	1,874.43
Promotion of business.....					18.36
Billing and collecting.....	328.10	7,167.16	314.03	3,137.57	3,303.53
General office, salaries and expenses.....	484.10	12,994.88	74.35	515.59	3,390.39
Undistributed expenses.....	9.17				
Truck operation and maintenance.....		2,667.06			139.97
Interest.....		7,870.46	60.52	476.29	11.62
Sinking fund and principal payments on debentures.....		14,677.14		318.76	
Depreciation.....	601.00	17,079.00	559.00	2,055.00	2,612.00
Other reserves.....					
Total operating costs and fixed charges.....	9,500.13	177,867.73	7,134.29	48,117.25	47,195.92
Net surplus.....	1,413.89	3,901.79	4,728.76	8,629.35	1,262.10
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	122	1,928	168	697	746
Commercial light service.....	18	299	27	120	174
Power service.....		63	1	20	27
Total.....	130	2,290	196	837	947

Utilities for Year Ended December 31, 1952

Ripley 457	Riverside 10,138	Rockwood 701	Rodney 940	Rosseau 207	Russell 475	St. Catharines 38,619
\$	\$	\$	\$	\$	\$	\$
6,711.34	142,528.19	9,878.14	6,809.35	2,660.94	6,477.44	409,504.03
3,578.48	20,224.19	3,162.46	4,471.74	2,169.66	3,351.08	240,994.00
2,077.98	13,999.16	72.00	3,924.03		376.93	702,525.73
619.85	5,575.77					
1,190.00	7,037.64	1,186.56	1,259.99	940.02	896.00	44,430.99
49.24	1,627.46	186.70	379.61	47.47	45.14	24.61
14,226.89	190,992.41	14,485.86	16,844.72	5,818.09	11,146.59	4,500.00
6,145.94	113,893.01	9,539.71	10,797.28	1,768.39	3,403.79	1,016,443.76
	39.40					20,449.36
1,014.04	5,450.97	476.08	1,289.97	320.29	810.32	62,578.22
	476.57		15.05	47.46		9,087.26
86.41	1,262.76	58.70	1,167.07	47.16	118.40	26,237.32
	12,063.60		3.40		28.65	5,495.48
164.27	2,417.52	35.35	300.86	86.27	153.87	8,393.47
	42.75					588.29
483.93	4,678.20	790.32	1,094.81	308.93	511.13	42,445.44
268.10	6,450.09	654.55	255.40	171.15	411.70	20,960.52
		6.67	49.02			27,560.05
	1,571.92					13,673.96
	2,025.00		1.25	97.35		2,670.71
	3,662.06			1,008.72		
721.00	9,203.00	550.00	1,175.00	283.00	557.00	51,875.59
8,883.69	163,236.85	12,111.38	16,149.11	4,138.72	5,994.86	1,308,459.43
5,343.20	27,755.56	2,374.48	695.61	1,679.37	5,151.73	93,519.93
151	2,959	220	326	87	153	10,844
55	146	40	78	17	35	1,437
3	17	2	9		2	280
209	3,122	262	413	104	190	12,561

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	St. Clair Beach 561	St. George 646	St. Jacobs 701	St. Mary's 4,061
Population.....				
EARNINGS	\$	\$	\$	\$
Domestic service.....	9,208.80	5,896.15	8,392.25	69,284.43
Commercial light service.....	3,623.54	4,064.94	3,561.18	25,105.57
Commercial power service.....	247.58	4,080.58	4,378.52	38,232.41
Municipal power.....				1,857.13
Street lighting.....	424.90	984.00	506.00	6,467.36
Merchandise.....				
Miscellaneous.....	358.11	233.67	438.35	816.84
Total earnings.....	13,862.93	15,259.34	17,276.30	141,763.74
EXPENSES				
Power purchased.....	7,784.44	9,260.67	13,015.31	72,619.74
Substation operation.....				2,116.63
Substation maintenance.....				
Distribution system, operation and maintenance.....	599.38	209.10	249.45	4,755.55
Line transformer maintenance.....	45.95	54.97		541.05
Meter maintenance.....	77.70	123.92	81.89	534.12
Consumers' premises expenses.....	106.65			6,759.82
Street lighting, operation and main- tenance.....	21.04	156.31	138.00	2,350.92
Promotion of business.....				31.60
Billing and collecting.....	582.95	903.53	877.48	3,524.76
General office, salaries and expenses.....	1,090.25	161.80	139.95	5,800.10
Undistributed expenses.....		13.85	3.68	2,363.74
Truck operation and maintenance.....				
Interest.....	17.75			2,460.14
Sinking fund and principal payments on debentures.....				3,579.29
Depreciation.....	903.00	584.00	753.00	8,675.00
Other reserves.....				
Total operating costs and fixed charges.....	11,229.11	11,468.15	15,258.76	116,112.46
Net surplus.....	2,633.82	3,791.19	2,017.54	25,651.28
Net loss.....				
NUMBER OF CUSTOMERS				
Domestic service.....	188	199	175	1,239
Commercial light service.....	16	46	39	207
Power service.....	1	5	8	44
Total.....	205	250	222	1,490

Utilities for Year Ended December 31, 1952

St. Thomas 18,844	Sarnia 37,480	Scarborough Twp. (V.A.)	Seaforth 2,151	Shelburne 1,292	Simcoe 7,138
\$	\$	\$	\$	\$	\$
225,472.50	471,825.63	703,899.56	28,494.53	14,040.77	54,271.48
102,773.75	215,278.83	177,052.31	20,144.18	9,315.48	57,270.47
133,364.54	449,775.09	328,143.93	15,488.30	4,763.22	57,612.91
6,661.23	12,542.94	33,422.73	918.21	495.12	3,255.00
17,075.38	28,721.16	36,547.64	4,900.00	1,310.00	12,204.90
.....	19,076.99	.....	.....	.....	121.03
4,273.66	12,289.42	4,982.46	516.00	224.40	3,542.42
489,621.06	1,209,510.06	1,284,048.63	70,461.22	30,148.99	188,278.21
311,802.84	653,476.22	814,730.48	33,997.25	22,017.25	120,595.57
24,676.83	33,534.05	.....	.....	.....	943.06
1,651.66	3,407.98	4,116.73	398.70	.....	.....
24,754.17	45,986.59	56,089.16	1,967.19	1,086.98	9,721.41
2,807.34	8,133.36	6,834.30	533.83	217.79	1,289.52
7,365.79	20,815.53	3,300.41	247.69	406.39	5,087.23
19,956.95	51,647.25	14,025.23	338.21	.....	3,145.72
3,856.41	8,586.97	10,596.14	865.23	301.27	2,437.45
638.72	543.53	.....	130.44	.....	196.13
19,917.07	35,260.82	35,723.07	1,922.24	1,416.33	5,569.92
21,662.17	55,210.18	34,081.04	1,766.33	714.91	4,714.49
.....	4,219.89	.....	891.35	115.82	2,387.78
.....	13,912.40	.....	1,099.39	.....	2,363.64
379.92	24,934.49	58,098.79	1,770.52	70.75	2.00
.....	14,101.80	46,500.00	2,106.32	.....	.....
17,455.00	52,845.00	47,000.00	3,262.00	1,376.00	10,692.00
.....	800.00	1,510.00	.....	.....	.....
456,924.87	1,027,416.06	1,132,605.35	51,296.69	27,723.49	169,145.92
32,696.19	182,094.00	151,443.28	19,164.53	2,425.50	19,132.29
.....
5,547	9,680	16,773	645	401	2,112
700	1,167	1,220	123	100	480
106	115	200	20	13	77
6,353	10,962	18,193	788	514	2,669

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Smith's Falls	Smithville	Southamp- ton	Springfield
Population.....	8,347	725	1,744	531
EARNINGS	\$	\$	\$	\$
Domestic service.....	106,357.31	6,649.83	23,887.35	4,816.12
Commercial light service.....	51,912.49	4,982.12	10,743.74	1,758.08
Commercial power service.....	46,228.97	11,008.31	14,004.90	1,946.08
Municipal power.....	398.12	184.16	1,102.52	
Street lighting.....	9,373.30	1,637.00	4,196.23	786.17
Merchandise.....			17.00	
Miscellaneous.....	2,389.12	410.98	19.86	148.28
Total earnings.....	216,659.31	24,872.40	53,971.60	9,454.73
EXPENSES				
Power purchased.....	134,066.36	14,532.23	32,772.68	5,084.65
Substation operation.....	710.07			
Substation maintenance.....	2,979.37			
Distribution system, operation and maintenance.....	13,921.28	2,087.80	4,437.82	313.69
Line transformer maintenance.....	899.54	54.36	439.95	99.31
Meter maintenance.....	1,422.60	708.90	575.17	74.77
Consumers' premises expenses.....	726.37	531.63	345.22	28.53
Street lighting, operation and main- tenance.....	1,413.77	251.76	713.49	143.92
Promotion of business.....				
Billing and collecting.....	8,487.74	1,944.11	2,203.06	541.19
General office, salaries and expenses.	8,357.56	1,295.74	1,019.11	337.01
Undistributed expenses.....		114.17	251.20	5.00
Truck operation and maintenance...	1,822.53	783.74	1,038.24	
Interest.....				
Sinking fund and principal payments on debentures.....				
Depreciation.....	12,072.00	961.00	2,286.00	747.00
Other reserves.....				
Total operating costs and fixed charges.....	186,879.19	23,265.44	46,081.94	7,375.07
Net surplus.....	29,780.12	1,606.96	7,889.66	2,079.66
Net loss.....				
NUMBER OF CUSTOMERS				
Domestic service.....	2,567	228	805	137
Commercial light service.....	357	77	98	33
Power service.....	52	10	14	4
Total.....	2,976	315	917	174

Utilities for Year Ended December 31, 1952

Stamford Twp. 20,633	Stayner 1,273	Stirling 1,163	Stoney Creek 1,850	Stouffville 1,788	Stratford 19,302	Strathroy 3,705
\$	\$	\$	\$	\$	\$	\$
265,420.62	15,352.35	15,416.49	31,578.63	20,139.89	257,963.89	53,831.98
67,513.63	7,722.33	8,200.27	13,064.24	10,463.32	97,603.07	27,182.87
48,714.39	4,446.47	3,164.91	4,832.75	8,560.49	99,229.61	26,237.82
3,497.01	107.57	336.86	1,245.15		12,173.08	2,639.18
15,976.26	1,643.00	1,824.00	1,983.76	1,624.00	17,857.65	6,504.26
	13.23	699.95			382.19	
	293.44	379.18	96.79	292.14	15,157.65	144.76
401,121.91	29,578.39	30,021.66	52,801.32	41,079.84	500,367.14	116,540.87
182,043.79	19,276.72	18,632.20	28,835.05	30,977.78	332,810.20	65,555.21
2,851.27		494.80			13,986.87	1,769.04
					5,967.65	
29,165.72	909.22	4,110.06	594.69	1,747.35	13,721.41	5,588.21
3,495.55	209.36		393.67	201.88	4,115.09	1,506.12
7,495.73	425.81	108.87	398.70	142.88	2,882.31	571.92
791.80	14.30	9.73	165.70		10,323.35	162.89
4,210.61	401.58	382.62	184.39	177.45	3,896.67	1,302.91
1,823.36					1,328.50	
15,862.56	1,571.22	1,258.27	1,983.91	2,143.25	18,346.75	2,155.23
10,860.29	1,034.61	2,056.51	311.18	810.47	19,814.02	6,036.74
10,617.54		202.20			7,252.39	1,884.96
9,085.71		233.74				1,965.99
22,792.39	40.10		1,575.45		2,650.00	7.91
11,188.66			1,568.22		900.00	
24,728.17	1,823.00	1,879.00	2,233.00	1,277.00	24,219.00	6,946.00
337,013.15	25,705.92	29,368.00	38,243.96	37,478.06	462,214.21	95,453.13
64,108.76	3,872.47	653.66	14,557.36	3,601.78	38,152.93	21,087.74
5,056	401	354	623	569	5,328	1,163
328	104	87	96	103	700	228
45	20	14	14	11	153	42
5,429	525	455	733	683	6,181	1,433

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Streetsville	Sunderland	Sundridge*	Sutton
Population.....	1,169	550	640	1,228
EARNINGS	\$	\$	\$	\$
Domestic service.....	17,225.93	7,403.04	3,123.36	17,951.16
Commercial light service.....	6,146.87	3,898.98	3,306.65	13,565.72
Commercial power service.....	16,728.35	3,437.63	268.77	4,317.41
Municipal power.....	431.23			
Street lighting.....	2,074.76	1,005.23	430.00	2,116.25
Merchandise.....			5.00	
Miscellaneous.....	50.00	6.46		229.96
Total earnings.....	42,657.14	15,751.34	7,133.78	38,180.50
EXPENSES				
Power purchased.....	29,265.29	9,145.31	3,049.35	22,375.10
Substation operation.....				
Substation maintenance.....	3,030.30			
Distribution system, operation and maintenance.....	1,492.59	743.73	200.84	812.60
Line transformer maintenance.....	318.64	85.37	20.90	510.41
Meter maintenance.....	564.21	223.58	176.33	124.50
Consumers' premises expenses.....				4.29
Street lighting, operation and maintenance.....	568.90	156.35	101.00	495.26
Promotion of business.....				
Billing and collecting.....	2,387.21	659.51	367.13	2,547.13
General office, salaries and expenses.....	1,628.37	368.61	164.03	431.85
Undistributed expenses.....		5.00	7.68	
Truck operation and maintenance.....				
Interest.....			1,076.39	
Sinking fund and principal payments on debentures.....			617.45	
Depreciation.....	1,768.00	616.00	679.00	2,128.00
Other reserves.....				
Total operating costs and fixed charges.....	41,023.51	12,003.46	6,460.10	29,429.14
Net surplus.....	1,633.63	3,747.88	673.68	8,751.36
Net loss.....				
NUMBER OF CUSTOMERS				
Domestic service.....	346	187	190	617
Commercial light service.....	64	46	51	136
Power service.....	14	3	1	9
Total.....	424	236	242	762

*6 months' operation

Utilities for Year Ended December 31, 1952

Swansea 8,250	Tara 490	Tavistock 1,134	Tecumseh 3,565	Teeswater 850	Thamesford 230	Thamesville 950
\$	\$	\$	\$	\$	\$	\$
133,978.04	6,374.88	14,504.22	35,612.40	9,080.14	9,682.20	9,170.27
31,597.92	3,869.57	7,467.77	13,647.90	5,022.24	4,177.69	8,442.29
38,805.48	2,185.99	10,012.40	9,410.72	6,189.66	3,020.43	8,532.35
2,785.69	175.95	442.99		417.67		237.41
8,754.67	1,238.00	1,414.98	1,878.69	1,488.00	718.00	1,424.00
		61.21				
537.63	1.52	375.67	857.45	430.11	19.90	90.00
216,459.43	13,845.91	34,279.24	61,407.16	22,627.82	17,618.22	27,896.32
128,163.00	8,964.30	28,815.82	32,225.03	13,791.31	13,463.16	18,493.47
1,787.95						
5,176.28	737.82	859.99	4,025.70	1,041.93	429.97	1,631.23
1,268.13		22.78	522.42	274.40	279.49	24.40
613.63	236.93	82.05	781.19	210.14	74.52	268.71
11,485.41		933.09	1,414.78		363.82	
2,031.74	177.51	480.88	762.38	270.19	119.51	243.30
9,068.55	455.74	1,378.64	1,903.08	922.67	1,087.61	905.82
5,866.92	73.40	790.38	2,740.32	512.35	145.11	432.20
	2.22	82.19	220.51		5.42	41.76
			675.21			682.92
7,448.42		394.10		10.75	114.24	35.73
11,190.19		466.68			100.00	
10,107.00	805.00	1,721.00	3,484.00	1,552.00	838.00	1,545.00
194,207.22	11,452.92	36,027.60	48,754.62	18,585.74	17,020.85	24,304.54
22,252.21	2,392.99		12,652.54	4,042.08	597.37	3,591.78
		1,748.36				
2,502	180	347	1,000	274	187	306
147	52	108	88	70	52	100
28	7	10	8	11	5	14
2,677	239	465	1,096	355	244	420

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Thedford	Thornbury	Thorndale	Thornton
Population.....	604	1,013	310	196
EARNINGS	\$	\$	\$	\$
Domestic service.....	7,239.72	14,027.68	5,296.10	2,345.66
Commercial light service.....	5,905.68	6,481.12	1,815.74	872.01
Commercial power service.....	2,629.62	5,350.01	3,032.39	84.86
Municipal power.....		527.29		
Street lighting.....	1,275.00	1,868.40	408.00	26.00
Merchandise.....		4.02		
Miscellaneous.....	211.14	9.48	37.77	3.39
Total earnings.....	17,261.16	28,268.00	10,590.00	3,331.92
EXPENSES				
Power purchased.....	9,276.93	12,117.88	6,099.34	1,933.06
Substation operation.....		5,894.40		
Substation maintenance.....				
Distribution system, operation and maintenance.....	406.31	1,881.58	251.54	186.95
Line transformer maintenance.....	194.59	148.53	101.57	
Meter maintenance.....	10.00	546.97	24.00	39.35
Consumers' premises expenses.....		54.50	5.99	
Street lighting, operation and maintenance.....	231.21	1,053.61	139.05	44.50
Promotion of business.....				
Billing and collecting.....	885.30	1,136.57	579.23	118.04
General office, salaries and expenses.....	377.29	790.98	64.90	53.51
Undistributed expenses.....	26.90	235.99		
Truck operation and maintenance.....		265.60		
Interest.....		1,395.14		
Sinking fund and principal payments on debentures.....		812.24		
Depreciation.....	926.00	1,347.00	533.00	356.00
Other reserves.....				
Total operating costs and fixed charges.....	12,334.53	27,680.99	7,798.62	2,731.41
Net surplus.....	4,926.63	587.01	2,791.38	600.51
Net loss.....				
NUMBER OF CUSTOMERS				
Domestic service.....	212	355	97	76
Commercial light service.....	66	89	25	13
Power service.....	5	14	3	1
Total.....	283	458	125	90

Utilities for Year Ended December 31, 1952

Thorold 6,705	Tilbury 2,920	Tillsonburg 5,387	Toronto 667,364	Toronto Twp. 30,000	Tottenham 594	Trafalgar Twp. (V.A.)
\$	\$	\$	\$	\$	\$	\$
53,748.32	21,568.72	51,225.93	7,206,869.14	389,379.63	7,686.32	99,724.48
22,438.09	16,586.66	46,588.10	5,443,267.64	78,698.90	3,150.29	12,016.00
128,589.33	28,864.32	41,008.55	7,233,199.17	122,108.41	1,411.61	12,644.95
6,746.82	258.72	2,337.77	2,055,124.90	5,680.97	490.84	.....
6,066.96	5,603.45	9,957.45	622,620.28	15,961.90	1,365.00	145.00
139.21	.....	626.14	.....	.....	.....	.....
.....	1,173.25	2,605.31	553,311.54	1,699.32	158.17	386.44
217,728.73	74,055.12	154,349.25	23,114,392.67	613,529.13	14,262.23	124,916.87
165,800.09	47,298.05	84,617.32	*13,161,109.21	354,943.56	6,725.67	67,945.33
6,591.71	.....	2,442.71	499,426.63	.....	.....	.....
.....	.....	.....	579,544.42	1,926.40	.....	.....
8,782.95	2,869.88	13,482.12	976,998.58	34,774.36	1,328.02	13,144.45
628.00	217.35	729.48	164,573.57	8,236.50	22.47	1,621.68
3,330.95	1,130.68	1,895.31	237,820.03	2,199.23	200.09	2,719.74
120.29	37.05	44.68	620,090.82	479.41	.....	439.68
2,184.91	1,302.04	1,852.02	238,815.77	7,389.89	280.83	41.53
.....	6.67	.....	257,966.15	.....	.....	.....
4,024.10	1,945.42	4,391.68	812,227.89	31,887.96	660.11	6,216.77
4,114.80	1,913.85	6,423.15	847,352.83	23,425.50	220.50	11,556.40
3,354.38	382.72	2,565.86	905,933.98	.....	47.11	.....
1,958.07	1,078.06	2,646.41	.....	.....	142.34	.....
2,825.70	.....	4,515.85	109,889.51	29,453.10	250.15	5,037.48
.....	.....	4,916.98	29,625.00	21,864.58	587.52	3,088.43
7,646.98	3,729.00	8,855.00	1,928,876.45	36,555.00	670.00	5,635.00
.....	.....	.....	.....	1,250.00	.....	200.00
211,362.93	61,910.77	139,378.57	21,370,250.84	554,385.49	11,134.81	117,646.49
6,365.80	12,144.35	14,970.68	†1,744,141.83	59,143.64	3,127.42	7,270.38
.....
1,734	808	1,645	157,761	7,208	192	1,372
194	164	352	27,472	635	53	88
37	24	51	6,302	112	8	16
1,965	996	2,048	191,535	7,955	253	1,476

*Includes 1952 cost adjustment.

†\$1,730,000.00 allocated to reserve for frequency standardization and other reserves.

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Trenton	Tweed	Uxbridge	Victoria Harbour 969
Population.....	10,086	1,557	1,841	
EARNINGS	\$	\$	\$	\$
Domestic service.....	106,425.62	17,741.42	24,131.66	8,121.95
Commercial light service.....	41,821.40	10,961.55	10,410.86	2,122.91
Commercial power service.....	110,468.73	11,440.05	8,413.97	
Municipal power.....	8,651.63	1,118.59	764.01	296.75
Street lighting.....	13,118.01	2,258.89	2,119.09	794.00
Merchandise.....			213.44	
Miscellaneous.....	3,287.82	1,006.26	316.69	81.80
Total earnings.....	283,773.21	44,526.76	46,369.72	11,417.41
EXPENSES				
Power purchased.....	199,111.67	24,236.68	27,460.47	7,716.09
Substation operation.....	375.64			
Substation maintenance.....				
Distribution system, operation and maintenance.....	6,040.65	2,058.91	2,074.97	720.18
Line transformer maintenance.....	225.10	240.73	183.87	
Meter maintenance.....	4,860.41	633.33	803.90	199.37
Consumers' premises expenses.....	1,595.24		485.34	
Street lighting, operation and main- tenance.....	2,045.60	649.01	441.19	162.05
Promotion of business.....				
Billing and collecting.....	7,862.59	2,078.54	1,785.55	940.46
General office, salaries and expenses.....	7,873.80	648.56	1,378.53	463.51
Undistributed expenses.....	547.54		5.12	62.21
Truck operation and maintenance.....	3,848.73			
Interest.....		1.38		
Sinking fund and principal payments on debentures.....				
Depreciation.....	14,120.00	1,439.00	1,757.00	504.00
Other reserves.....				
Total operating costs and fixed charges.....	248,506.97	31,986.14	36,375.94	10,767.87
Net surplus.....	35,266.24	12,540.62	9,993.78	649.54
Net loss.....				
NUMBER OF CUSTOMERS				
Domestic service.....	3,043	448	581	344
Commercial light service.....	322	98	128	38
Power service.....	64	20	20	1
Total.....	3,429	566	729	383

Utilities for Year Ended December 31, 1952

Walkerton	Wallaceburg	Wardsville	Warkworth	Waterdown	Waterford
3,368	7,355	287	510	1,491	1,695
\$	\$	\$	\$	\$	\$
39,893.69	58,882.88	3,717.56	6,194.87	20,704.27	16,061.51
27,360.48	42,961.25	2,718.01	2,982.04	5,250.14	7,341.39
16,066.39	211,789.50	57.44	948.34	2,391.36	5,358.57
702.17	6,375.00			214.32	420.04
6,031.82	7,174.11	720.00	784.56	1,536.25	1,845.00
217.10	6,929.13				
1,593.87	7,633.89	123.18	153.83	248.40	347.42
91,865.52	341,745.76	7,336.19	11,063.64	30,344.74	31,373.93
52,730.68	263,352.87	4,330.73	5,073.09	19,222.35	21,919.84
	878.36				
5,061.95	13,397.54	165.28	127.26	2,869.65	1,752.03
537.73	213.13	63.02	13.81	667.28	262.68
1,256.36	663.46		79.70	461.42	861.61
67.07	2.80	8.00		4.48	
646.34	1,561.61	47.75	121.49	392.84	721.31
	149.08				
3,388.75	5,319.98	188.30	355.88	1,214.37	1,058.23
4,548.80	11,068.33	123.73	189.38	450.23	713.00
1,018.09		12.60	7.78	132.99	99.64
943.52	4,048.43			297.89	664.09
5.58	83.77		155.61	20.33	
			670.97		
3,375.00	14,674.00	487.00	355.00	1,726.00	1,828.00
	100.00				
73,579.87	315,513.36	5,426.41	7,149.97	27,459.83	29,880.43
18,285.65	26,232.40	1,909.78	3,913.67	2,884.91	1,493.50
951	2,110	95	170	401	550
185	362	25	55	55	86
21	76	1	2	10	13
1,157	2,548	121	227	466	649

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Waterloo	Watford	Waubau- shene (V.A.)	Welland
Population.....	12,449	1,200		16,292
EARNINGS	\$	\$	\$	\$
Domestic service.....	153,280.40	16,348.16	6,865.29	102,034.63
Commercial light service.....	59,580.17	9,810.45	2,477.48	83,429.22
Commercial power service.....	130,695.35	10,834.89	700.99	279,677.24
Municipal power.....	5,872.54	521.78	222.41	5,154.07
Street lighting.....	14,500.02	1,909.08	638.00	23,403.92
Merchandise.....	37.37			645.30
Miscellaneous.....	293.66	528.49		9,829.60
Total earnings.....	364,259.51	39,952.85	10,904.17	504,173.98
EXPENSES				
Power purchased.....	268,732.19	19,740.70	8,211.57	380,757.38
Substation operation.....	4,950.30			17,047.33
Substation maintenance.....	3,292.29			1,235.17
Distribution system, operation and maintenance.....	11,626.00	1,902.04	939.69	14,313.75
Line transformer maintenance.....	1,225.90	76.48	162.27	1,315.12
Meter maintenance.....	3,768.70	539.80	269.97	13,639.72
Consumers' premises expenses.....		58.75		5,575.31
Street lighting, operation and main- tenance.....	2,306.67	234.63	163.30	2,048.18
Promotion of business.....				70.56
Billing and collecting.....	10,009.35	1,672.19	882.81	14,191.18
General office, salaries and expenses.....	3,170.22	1,988.13	219.50	13,691.09
Undistributed expenses.....	1,712.06	363.77	45.65	9,529.70
Truck operation and maintenance.....		183.33		3,379.71
Interest.....	5,413.89		14.62	257.29
Sinking fund and principal payments on debentures.....	6,666.66			
Depreciation.....	21,145.00	1,735.00	648.00	17,246.28
Other reserves.....				
Total operating costs and fixed charges.....	344,019.23	28,494.82	11,557.38	494,297.77
Net surplus.....	20,240.28	11,458.03		9,876.21
Net loss.....			653.21	
NUMBER OF CUSTOMERS				
Domestic service.....	3,393	370	322	3,950
Commercial light service.....	343	93	35	615
Power service.....	94	10	3	118
Total.....	3,830	473	360	4,683

Utilities for Year Ended December 31, 1952

Wellesley 608	Wellington 986	West Lorne 1,038	Weston 8,256	Westport 718	Wheatley 1,047	Whitby 7,619
\$	\$	\$	\$	\$	\$	\$
7,329.85	10,904.15	9,214.02	122,179.68	7,602.25	9,869.89	80,196.38
3,730.01	5,062.67	8,015.69	49,789.65	7,067.50	11,264.80	31,738.22
2,189.34	6,529.80	20,350.48	113,294.24	.....	8,528.06	31,278.51
.....	.....	.....	4,003.32	.....	1,186.72	4,051.38
919.00	1,603.92	1,659.30	12,810.50	1,253.79	2,312.00	6,740.20
.....	.....	.....	.....	.....	.....	614.41
192.96	366.19	2,407.87	138.09	169.61	149.47	1,248.26
14,361.16	24,466.73	41,647.36	302,215.48	16,093.15	33,310.94	155,867.36
9,054.51	14,614.90	29,451.39	197,292.27	6,426.29	19,275.03	84,046.01
.....	.....	.....	4,199.83	.....	.....	1,435.11
86.27	1,322.06	1,176.25	16,806.57	890.73	1,566.98	4,980.99
80.04	21.74	105.79	2,763.00	351.49	23.76	1,006.08
91.90	234.80	1,203.46	3,236.42	299.22	247.04	2,145.34
447.53	4.53	.....	1,931.19	.....	53.73	1,882.84
282.49	164.54	418.57	2,441.71	134.94	340.33	2,532.57
.....	.....	.....	62.00	.....	.....	.....
524.53	820.37	766.31	7,620.32	1,009.12	1,197.50	6,480.42
361.30	1,155.15	1,193.30	13,064.78	731.54	1,112.93	12,557.30
3.50	98.00	.....	.....	46.19	52.45	4,506.41
.....	780.60	.....	.....	.....	.....	2,632.51
.....	.....	.....	5,281.76	.....	342.02	18.14
.....	.....	.....	4,762.50	.....	467.45	302.24
711.00	1,070.00	1,973.00	14,237.00	557.00	1,851.00	9,187.00
.....	.....	.....	320.00	.....	.....	.....
11,643.07	20,286.69	36,288.07	274,019.35	10,446.52	26,530.22	133,712.96
2,718.09	4,180.04	5,359.29	28,196.13	5,646.63	6,780.72	22,154.40
.....
173	400	295	2,253	200	309	1,525
54	83	83	279	62	93	211
7	13	16	56	.....	14	41
234	496	394	2,588	262	416	1,777

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Warton	Williamsburg	Winchester	Windsor
Population.....	1,916	269	1,198	124
EARNINGS	\$	\$	\$	\$
Domestic service.....	17,776.06	2,678.79	13,235.90	3,663.71
Commercial light service.....	15,658.53	2,802.45	9,411.18	2,650.84
Commercial power service.....	9,749.99	1,085.96	7,899.72	1,258.20
Municipal power.....	2,411.55			
Street lighting.....	3,178.47	665.00	1,456.00	400.00
Merchandise.....	85.22			
Miscellaneous.....	632.78	540.17	268.36	53.07
Total earnings.....	49,492.60	7,772.37	32,271.16	8,025.82
EXPENSES				
Power purchased.....	27,464.22	6,191.50	21,400.48	3,128.75
Substation operation.....				
Substation maintenance.....				
Distribution system, operation and maintenance.....	3,645.69	53.58	616.38	406.56
Line transformer maintenance.....	29.00		33.83	104.96
Meter maintenance.....	812.41	218.55	383.40	105.86
Consumers' premises expenses.....				36.20
Street lighting, operation and maintenance.....	452.16	47.98	184.46	60.45
Promotion of business.....				
Billing and collecting.....	1,315.35	349.26	1,285.83	290.85
General office, salaries and expenses.....	1,474.83	484.50	522.75	133.13
Undistributed expenses.....	360.02			
Truck operation and maintenance.....	1,071.52			
Interest.....	145.32			
Sinking fund and principal payments on debentures.....	2,858.23			
Depreciation.....	1,825.00	431.00	1,426.00	674.00
Other reserves.....				
Total operating costs and fixed charges.....	41,453.75	7,776.37	25,853.13	4,940.76
Net surplus.....	8,038.85		6,418.03	3,085.06
Net loss.....		4.00		
NUMBER OF CUSTOMERS				
Domestic service.....	570	96	368	91
Commercial light service.....	134	38	93	14
Power service.....	23	2	5	2
Total.....	727	136	466	107

Utilities for Year Ended December 31, 1952

Windsor 125,760	Wingham 2,683	Woodbridge 1,799	Woodstock 15,834	Woodville 385	Wyoming 777
\$	\$	\$	\$	\$	\$
1,335,640.65	38,076.55	21,703.15	209,371.80	4,460.13	5,952.23
844,357.02	20,968.44	10,450.75	111,069.54	2,044.10	3,525.72
1,494,130.85	24,234.65	31,507.30	184,643.22	878.23	5,632.97
40,645.79	1,926.91	2,931.82	8,445.48		
151,046.67	3,934.24	1,437.99	12,908.57	775.16	980.00
14,348.77					
33,979.62	1,166.12	114.99	3,939.14	183.17	68.86
3,914,149.37	90,306.91	68,146.00	530,377.75	8,340.79	16,159.78
*2,268,405.74	45,250.98	52,835.84	325,676.48	5,399.99	8,682.01
87,147.61	3,066.98		6,237.96		
23,614.30			1,387.35		
83,944.09	4,156.95	1,766.84	24,572.28	625.51	311.01
20,331.16	10.91	98.37	973.88	101.44	9.75
15,869.50	1,103.49	5.36	8,684.15	166.09	50.71
98,352.44	5,345.57	7.43	16,033.52	24.81	
66,323.01	648.47	563.20	1,961.61	149.09	60.67
7,202.71	430.67		209.20		
127,288.45	3,000.50	2,078.11	13,942.36	553.88	1,008.58
99,251.68	4,887.64	1,484.83	16,187.22	240.44	236.10
48,071.08	765.08		5,105.71		6.00
13,631.33	1,395.79		2,462.21		
19,012.79			5,261.04	10.87	79.28
			14,375.59		
227,023.00	5,534.00	2,065.00	27,079.00	342.00	891.00
3,205,468.89	75,597.03	60,904.98	470,149.56	7,614.12	11,335.11
708,680.48	14,709.88	7,241.02	60,228.19	726.67	4,824.67
30,600	769	465	4,626	132	217
4,080	167	82	633	32	45
649	29	15	116	2	5
35,329	965	562	5,375	166	267

* Includes 1952 cost adjustment.

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Concluded

NORTHERN

Municipality.....	York Twp.	Zurich	TOTAL SOUTHERN ONTARIO SYSTEM	Cache Bay
Population.....	98,915	534		864
EARNINGS	\$	\$	\$	\$
Domestic service.....	1,103,677.38	8,362.90	33,733,137.96	6,296.68
Commercial light service.....	281,003.63	5,917.17	17,864,163.83	2,543.60
Commercial power service.....	352,076.46	324.78	26,779,309.46	16,253.22
Municipal power.....	7,803.01	275.74	3,045,992.76	
Street lighting.....	61,331.22	966.00	2,874,810.67	837.00
Merchandise.....			95,048.85	
Miscellaneous.....	4,947.21	177.10	1,192,750.01	
Total earnings.....	1,810,838.91	16,023.69	85,585,213.54	25,930.50
EXPENSES				
Power purchased.....	1,085,891.96	8,643.58	52,762,900.82	18,987.32
Substation operation.....	9,466.26		1,697,383.87	
Substation maintenance.....	7,900.50		811,931.55	
Distribution system, operation and maintenance.....	48,051.35	649.63	3,263,761.97	80.14
Line transformer maintenance.....	23,279.61	248.56	507,988.46	27.40
Meter maintenance.....	24,899.75	68.41	907,536.56	64.35
Consumers' premises expenses.....	34,845.56		1,502,670.65	
Street lighting, operation and main- tenance.....	22,265.85	217.64	795,679.61	95.01
Promotion of business.....			328,268.84	
Billing and collecting.....	115,199.92	583.78	2,903,535.85	642.07
General office, salaries and expenses.....	87,793.19	530.96	2,768,036.56	325.00
Undistributed expenses.....		23.07	1,313,274.08	6.36
Truck operation and maintenance.....			227,631.43	
Interest.....		109.77	926,903.78	1,631.49
Sinking fund and principal payments on debentures.....			930,937.94	2,000.00
Depreciation.....	109,142.00	710.00	5,086,153.83	890.00
Other reserves.....	4,361.40		68,711.41	
Total operating costs and fixed charges.....	1,573,097.35	11,785.40	76,803,307.21	24,749.14
Net surplus.....	237,741.56	4,238.29	8,781,906.33	1,181.36
Net loss.....				
NUMBER OF CUSTOMERS				
Domestic service.....	27,485	203	771,081	184
Commercial light service.....	1,961	51	105,441	22
Power service.....	364	2	18,889	2
Total.....	29,810	256	895,411	208

Utilities for Year Ended December 31, 1952

ONTARIO PROPERTIES

Capreol 2,071	Fort William 36,888	Hearst 2,083	Larder Lake Twp. (V.A.)	Latchford 520	McGarry Imp. Dist. 2,172	Nipigon Twp. (V.A.)
\$	\$	\$	\$	\$	\$	\$
29,150.08	492,735.79	16,301.92	21,841.20	3,575.50	23,726.22	17,630.11
8,567.91	222,412.13	21,523.06	8,175.11	2,880.23	9,052.08	16,251.14
9,286.57	466,025.52	1,969.45	220.45	941.39	1,411.53	1,233.46
681.78	18,851.37	656.32	1,119.96			478.03
2,785.65	34,718.17	886.00	2,295.63	555.00	1,566.52	1,796.00
160.35						
.....	20,247.78					330.00
50,632.34	1,254,990.76	41,336.75	33,652.35	7,952.12	35,756.35	37,718.74
35,552.73	801,165.79	14,499.50	19,617.86	3,170.23	25,183.31	22,199.07
278.67	33,842.57	3,881.41				
.....	8,529.47	1,268.92				
2,860.54	26,595.13	1,923.14	2,434.32	147.30	645.24	2,807.75
202.95	2,133.87	223.04	165.20		73.50	324.81
635.01	15,689.41	583.37	519.53	37.00	213.07	991.47
40.96	20,130.23	20.05				
599.23	9,838.60	200.37	716.56	98.07	566.95	624.32
.....	654.82					
2,535.38	41,763.71	2,759.17	1,977.65	315.33	1,913.86	1,656.75
1,735.67	27,444.10	1,181.03	2,042.79	292.49	1,108.82	1,872.78
283.12		192.79	122.56	.84	9.73	283.60
434.73						565.57
2,192.81	27,428.76	7,712.16	634.24	744.00	530.57	
1,500.00	21,254.84		1,000.00	700.00	500.00	
1,860.00	49,164.00	1,326.00	1,429.00	445.00	1,162.00	1,563.00
.....						
50,711.80	1,085,635.30	35,770.95	30,659.71	5,950.26	31,907.05	32,889.12
.....	169,355.46	5,565.80	2,992.64	2,001.86	3,849.30	4,829.62
79.46						
601	9,982	456	416	114	320	428
76	1,425	142	76	25	60	101
2	201	7	5	2	1	4
679	11,608	605	497	141	381	533

Operating Reports of Municipal Electrical

NORTHERN ONTARIO PROPERTIES—Concluded

Municipality.....	North Bay	Port Arthur	Red Rock Imp. Dist.	Schreiber Twp (V.A.)
Population.....	19,322	33,698	1,791	
EARNINGS	\$	\$	\$	\$
Domestic service.....	222,780.18	411,517.35	12,205.15	26,220.15
Commercial light service.....	120,424.34	220,431.24	8,527.21	11,205.08
Commercial power service.....	81,790.74	503,716.44	98.46	6,111.78
Municipal power.....	5,972.28	30,024.53	538.89	
Street lighting.....	16,200.17	38,825.49	918.00	1,770.00
Merchandise.....				
Miscellaneous.....		3,161.79		
Total earnings.....	447,167.71	1,207,676.84	22,287.71	45,307.01
EXPENSES				
Power purchased.....	285,841.60	822,066.16	10,507.39	15,204.17
Substation operation.....	4,140.57	46,396.60		
Substation maintenance.....		22,405.91		
Distribution system, operation and maintenance.....	20,618.27	30,010.50	1,135.08	3,004.16
Line transformer maintenance.....	2,670.05	2,340.82		10.40
Meter maintenance.....	6,369.01	12,512.58	332.09	339.22
Consumers' premises expenses.....	8,464.65			
Street lighting, operation and main- tenance.....	5,510.49	8,100.39	254.28	440.25
Promotion of business.....		2,194.20		
Billing and collecting.....	28,945.84	41,708.67	1,235.05	2,752.23
General office, salaries and expenses.....	26,113.45	19,581.90	719.79	2,439.49
Undistributed expenses.....	2,210.78	1,026.80		74.25
Truck operation and maintenance.....		1,099.17		602.67
Interest.....	4,429.80		862.55	1,725.81
Sinking fund and principal payments on debentures.....			1,170.00	4,324.50
Depreciation.....	15,796.00	70,246.95	978.00	1,490.00
Other reserves.....		2,500.00		
Total operating costs and fixed charges.....	411,110.51	1,082,190.65	17,194.23	32,407.15
Net surplus.....	36,057.20	125,486.19	5,093.48	12,899.86
Net loss.....				
NUMBER OF CUSTOMERS				
Domestic service.....	4,593	8,879	201	435
Commercial light service.....	835	1,161	23	48
Power service.....	104	157	2	2
Total.....	5,532	10,197	226	485

Utilities for Year Ended December 31, 1952

Sioux Lookout 2,427	Sturgeon Falls 5,132	Sudbury 46,059	Terrace Bay Imp. Dist. 1,433	TOTAL NORTHERN ONTARIO PROPERTIES	TOTAL ALL SYSTEMS
\$	\$	\$	\$	\$	\$
39,233.54	45,227.00	590,381.07	27,596.10	1,986,418.04	35,719,556.00
22,177.83	34,329.19	296,530.84	14,451.39	1,019,482.38	18,883,646.21
7,526.13	2,930.69	83,834.53	6,940.64	1,190,291.00	27,969,600.46
1,838.48	1,674.75	12,248.23		74,084.62	3,120,077.38
6,508.75	3,000.00	61,483.00	2,605.62	176,751.00	3,051,561.67
				160.35	95,209.20
410.51		2,488.45		26,638.53	1,219,388.54
77,695.24	87,161.63	1,046,966.12	51,593.75	4,473,825.92	90,059,039.46
42,771.56	44,532.57	634,148.14	25,152.76	2,820,600.16	55,583,500.98
	186.26	26,422.76		115,148.84	1,812,532.71
		22,938.04		55,142.34	867,073.89
4,715.72	8,371.87	52,649.84	324.01	158,323.01	3,422,084.98
510.87	1,480.17	5,616.01		15,779.09	523,767.55
717.81	1,721.23	25,210.14	256.46	66,191.75	973,728.31
		15,640.39		44,296.28	1,546,966.93
1,878.94	2,439.13	18,006.58	533.21	49,902.38	845,581.99
				2,849.02	331,117.86
3,916.63	3,859.33	47,279.80	1,736.15	184,997.62	3,088,533.47
3,244.65	6,467.11	28,290.30	2,115.45	124,974.82	2,893,011.38
530.13	9,540.83	5,586.98		19,868.77	1,333,142.85
1,555.31	523.43	16,668.85		21,449.73	249,081.16
	2,245.09	10,133.07	2,614.63	62,884.98	989,788.76
		24,310.34	3,900.00	60,659.68	991,597.62
1,601.00	4,201.00	52,809.00	2,394.00	207,354.95	5,293,508.78
				2,500.00	71,211.41
61,442.62	85,568.02	985,710.24	39,026.67	4,012,923.42	80,816,230.63
16,252.62	1,593.61	61,255.88	12,567.08	460,902.50	9,242,808.83
697	1,083	11,439	324	40,152	811,233
114	181	1,408	31	5,728	111,169
12	17	165	1	684	19,573
823	1,281	13,012	356	46,564	941,975

STATEMENT "C"

(pages 224 to 243)

Cost of Power to Municipalities and Rates to Customers in Municipalities, Groups 1 and 3, Served by The Hydro-Electric Power Commission of Ontario for the year 1952

STATEMENT "D"

(pages 244 to 261)

Customers, Revenue and Consumption for Domestic, Commercial light, and Power service in Municipalities during the year 1952

STATEMENT "C"

Cost of Power to Municipalities and Rates to Customers in Municipalities, Groups 1 and 3, Served by The Hydro-Electric Power Commission of Ontario for the year 1952

Statement "C" is the schedule of rates for electrical service—domestic, commercial light, and power—in the 362 municipalities (groups 1 and 3) supplied under cost or fixed-rate contracts, or whose customers are supplied directly by the Commission. Municipalities served through the facilities of the Rural Power District are not included.

Cost of Power to Municipalities

The wholesale cost of the power supplied by the Commission to each municipality is a basic factor in determining retail rates to customers in the municipality. This cost figure given in column 1 represents the average cost per kilowatt supplied by the Commission to each municipality. The components of this cost are given in detail in the "Cost of Power" tables relating to the systems, which are given in Appendix II.

Rates to Customers

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall be subject at all times to the approval and control of the Commission." (R.S.O. 1950, Ch. 281, Sec. 104).

In accordance with the Act and the Commission's fundamental principle of providing service at cost, the Commission exercises a continuous supervision over rates charged to customers and requires that accurate cost records be kept in each municipality. On the basis of this cost, rate schedules are designed for each of the three main classes of electrical service—residential or domestic, commercial light, and power—and the schedules in use in 1952 are given in this statement.

Domestic Service: Domestic rates apply to electrical service for all household purposes in residences. Lighting, cooking, and the operation of all domestic electrical appliances are included.

Commercial Light Service: Electric energy is billed at commercial light rates when it is used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding houses, and in all other premises for commercial purposes. Sign and display lighting is included.

Water-Heater Service: Customers using continuous electric water-heaters may purchase energy at a low flat rate, a fixed charge per month based on the capacity of the heating element and dependent on the cost of power to the municipal utility. The electric energy consumed by these heaters is not metered. Current for booster heaters used in water-heating equipment to supplement the capacity of the continuous heater is measured and charged for at regular rates.

Power Service: The rate schedules for power service in statement "C" cover retail supply to power customers of the municipal utilities. Certain large power customers served directly by the Commission are excepted from this schedule.

Power service rates, as given in the tables, are for 24-hour unrestricted power at secondary distribution voltage. Rates for service at primary distribution voltage are usually 5 per cent lower than those given. In municipalities where load conditions and other circumstances permit, restricted power may be available at lower rates, and discounts in addition to those listed are applicable.

The service charge is based on the connected load, or on the maximum demand where a demand meter is installed. The prompt payment discount of 10 per cent on the total monthly bill is given for settlement within ten days.

In order to simplify billing procedure, the power demand of industrial power customers is billed by using the kilowatt rather than horsepower. However, the annual basis rate continues to be shown per horsepower of demand. The figure given shows approximately the net annual amount payable for a demand of one horsepower. It represents the cost of power assuming that the demand is used for an average of 130 hours monthly including 30 hours at the third energy rate. This net amount payable is the basis of the energy rates given. At the same time it serves as an indication of the relative cost of power service in the various municipalities listed.

The service charge is now shown per kilowatt per month. Where special local discounts were in force, the equivalents of these discounts have been incorporated in the service charges and energy rates.

Cost of Power to Municipalities and Rates to
Served by The Hydro-Electric
for the

Prompt Payment

Municipality	Annual cost to the Commission on the works to serve electric energy to municipality on a kilowatt basis	Domestic service				
		Service charge per month**	First rate		All additional per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
c—City T—Municipality (Pop. 2,000 or more)						
	\$	cents		cents	cents	\$
Acton.....T	39.24	60	60	2.6	1.1	0.83
Agincourt.....	34.64	60	60	3.0	1.0	0.83
Ailsa Craig.....	42.44	60	60	2.8	1.0	0.83
Ajax.....T		60	60	4.0	1.5	0.83
Alexandria.....T	37.21	60	60	3.0	1.0	1.11
Alfred.....		60	20	5.0	3.0	
Alliston.....T	38.32	55	55	3.5	1.0	1.11
Almonte.....T	32.47	60	60	2.5	1.0	0.83
Alvinston.....	37.32	60	60	3.5	1.0	0.83
Amherstburg.....T	45.58	60	60	2.7	1.0	1.11
Ancaster Twp.—V.A.....	35.97	60	60	4.2	1.2	1.11
Apple Hill.....	33.91	60	60	4.0	1.0	1.39
Arkona.....	41.87	60	60	4.0	1.0	1.11
Arnprior.....T	36.89	60	60	2.9	0.9	0.83
Arthur.....	38.26	60	60	3.3	1.2	1.11
Athens.....	34.67	60	60	3.4	1.2	1.11
Atikokan Imp. Dist.....		60	60	4.4	* { 2.1 1.1	† { 1.67 2.25
Aurora.....T	35.85	60	60	2.6	1.0	0.83
Aylmer.....T	40.21	60	60	2.2	0.8	0.83
Ayr.....	37.66	60	60	3.0	1.1	1.11
Baden.....	36.39	60	60	3.0	1.1	0.83
Bala.....		33-66	50	3.7	1.2	1.66
Bancroft.....	48.66	60	60	4.5	1.5	1.39
Barrie.....T	31.52	60	60	2.4	0.8	0.83
Barry's Bay.....	40.67	60	60	6.0	2.0	2.78
Bath.....	34.14	60	60	4.8	1.5	2.22
Beachville.....	38.62	60	60	3.2	1.2	0.83
Beamsville.....	38.70	60	60	2.2	0.8	0.83
Beardmore Imp. Dist.....		60	60	4.4	* { 2.1 1.1	† { 1.67 2.25
Beaverton.....	41.24	60	60	2.8	1.0	1.11
Beeton.....	41.34	45	45	4.0	1.2	1.39
Belle River.....	43.82	60	60	4.0	1.4	1.39
Belleville.....C	31.56	60	60	1.8	0.8	0.83
Blenheim.....T	43.28	60	60	2.5	0.9	1.11
Bloomfield.....	38.71	60	60	2.5	0.9	0.83
Blyth.....	40.82	60	60	2.9	1.0	1.11
Bobcaygeon.....	35.43	60	60	5.0	1.25	2.22
Bolton.....	41.39	60	60	2.9	1.0	0.83
Bothwell.....	42.60	60	60	2.6	1.0	0.83
Bowmanville.....T	32.13	60	60	3.0	1.0	0.83

**Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more. Where any other service charge is used it applies to either 2-wire or 3-wire service.

Customers in Municipalities, Groups 1 and 3
Power Commission of Ontario
Year 1952

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.0	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.6	0.6	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.3	0.7	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.5	1.3	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.6	0.8	1.11	35.00	1.35	3.5	2.3	0.33
Same as Domestic						Special		
5.0	3.2	0.9	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.3	1.0	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.0	0.9	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.2	0.6	1.11	22.00	1.20	1.7	1.2	0.30
5.0	3.6	1.0	1.11	31.00	1.35	2.9	1.9	0.33
5.0	3.5	1.0	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.5	0.8	1.11	39.00	1.35	4.1	2.7	0.33
5.0	2.6	0.8	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.8	1.0	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.9	1.0	1.11	27.00	1.35	2.3	1.5	0.33
5.0	4.4	1.1	†1.67					
5.0	1.6	0.4	‡2.25	37.00	1.35	3.8	2.5	0.33
5.0	1.6	0.4	1.11	20.00	1.20	1.4	0.9	0.30
5.0	1.8	0.4	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.5	0.9	1.11	24.00	1.20	2.1	1.4	0.30
5.0	2.5	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.7	0.8	1.66	20.00	1.20	1.4	0.9	0.30
5.0	3.5	1.5	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.6	0.83	18.00	1.00	1.4	0.9	0.25
5.0	5.0	2.0	2.78	35.00	1.35	3.5	2.3	0.33
5.0	5.0	1.0	2.22	35.00	1.35	3.5	2.3	0.33
5.0	2.7	0.9	0.83	23.00	1.20	1.9	1.3	0.30
5.0	1.8	0.5	0.83	18.00	1.00	1.4	0.9	0.25
			†1.67					
5.0	4.4	1.1	‡2.25	37.00	1.35	3.8	2.5	0.33
5.0	2.0	0.8	1.11	24.00	1.20	2.1	1.4	0.30
5.0	3.5	1.0	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.4	1.1	1.39	33.00	1.35	3.2	2.1	0.33
5.0	1.6	0.6	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.1	0.6	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.3	0.7	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.4	0.8	1.11	30.00	1.35	2.8	1.8	0.33
5.0	5.0	1.0	2.22	35.00	1.35	3.5	2.3	0.33
5.0	2.5	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.1	0.7	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.4	0.8	0.83	21.00	1.20	1.6	1.0	0.30

*2-wire service next 80 kwh, 3-wire service next 180 kwh.

†2-wire service.

‡3-wire service.

**Cost of Power to Municipalities and Rates to
Served by The Hydro-Electric
for the
Prompt Payment**

Municipality	Annual cost to the Commission on the works to serve electric energy to munici- pality on a kilowatt basis	Domestic service				
		Service charge per month	First rate		All addition- al per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
c—City T—Municipality (Pop. 2,000 or more)						
	\$	cents		cents	cents	\$
Bradford.....	36.23		45	4.2	1.0	1.39
Braeside.....	35.03		50	4.0	1.3	0.83
Brampton.....T	35.04		60	2.3	1.0	0.83
Brantford.....C	32.60		60	2.0	1.0	0.83
Brantford Twp.—V.A.....	32.75		60	3.4	1.3	1.11
Brechin.....	37.84		60	4.0	1.2	1.11
Bridgeport.....	35.59		60	3.0	0.9	0.83
Brigden.....	44.19		60	3.0	0.9	1.11
Brighton.....T	36.53		60	3.5	0.9	0.83
Brockville.....T	33.26		60	2.0	1.0	0.83
Bronte.....	38.13		60	2.3	1.3	0.83
Brussels.....	42.75		60	3.2	1.0	1.11
Burford.....	37.15		60	2.8	1.0	0.83
Burgessville.....	36.90		60	4.0	1.0	1.11
Burks Falls.....	47.90		50	5.0	1.5	2.50
Burlington.....T	35.92				Special	
Burlington Beach or Hamilton Beach.....T			60	3.5	1.1	0.83
Cache Bay.....			60	6.0	2.0	1.67
Caledonia.....	37.65		60	2.3	1.0	1.11
Campbellville.....	39.19		60	3.0	1.3	1.11
Cannington.....	41.54		60	3.2	1.0	1.11
Capreol.....T			50	3.6	1.0	1.39
Cardinal.....	36.95		55	2.8	1.1	1.11
Carleton Place.....T	34.04		55	2.8	1.1	1.11
Casselman.....	35.81		60	5.0	2.0	1.11
Cayuga.....	40.08		60	3.5	1.0	1.39
Chatham.....C	35.34		60	3.2	1.0	0.83
Chatsworth.....	39.06		50	3.0	1.0	1.39
Chesley.....	37.17		60	2.7	1.0	1.11
Chesterville.....	36.16		55	2.3	0.9	0.83
Chippawa.....	33.53		60	3.1	1.4	1.11
Clifford.....	40.50		55	3.3	1.1	1.11
Clinton.....T	38.04		60	2.5	0.8	0.83
Cobalt.....			60	4.2	1.5	0.83
Cobden.....	29.96		40	2.8	1.0	1.11
Cobourg.....T	38.43		60	2.9	1.2	0.83
Cochrane.....T			60	3.0	1.4	0.83
Colborne.....	38.84		60	3.8	1.0	0.83
Coldwater.....	40.15	33-66	55	2.5	1.0	1.11
Collingwood.....T	36.23		60	2.3	1.0	1.11

Customers in Municipalities, Groups 1 and 3
Power Commission of Ontario
Year 1952—Continued

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	3.7	1.0	1.39	25.00	1.35	2.0	1.3	0.33
5.0	4.0	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	1.9	0.6	0.83	18.00	1.00	1.4	0.9	0.25
z5.0	1.7	0.5	0.83	18.00	1.00	1.4	0.9	0.25
5.0	2.9	1.0	1.11	24.00	1.20	2.1	1.4	0.30
5.0	3.5	1.0	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.7	0.6	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.5	0.7	1.11	30.00	1.35	2.8	1.8	0.33
5.0	3.0	0.7	0.83	21.00	1.20	1.6	1.0	0.30
5.0	1.7	0.8	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.0	1.0	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.7	0.8	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.3	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.5	0.8	1.11	31.00	1.35	2.9	1.9	0.33
5.0	4.5	1.5	2.50	30.00	1.35	2.8	1.8	0.33
Special				Special				
5.0	3.2	0.7	0.83	27.00	1.35	2.3	1.5	0.33
5.0	6.0	2.0	1.67	35.00	1.35	3.5	2.3	0.33
5.0	1.9	0.8	1.11	24.00	1.20	2.1	1.4	0.30
5.0	2.8	1.1	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.8	0.9	1.11	26.00	1.35	2.2	1.4	0.33
5.0	3.2	0.8	1.39	31.00	1.35	2.9	1.9	0.33
5.0	2.3	1.0	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.3	0.9	1.11	20.00	1.20	1.4	0.9	0.30
5.0	4.5	2.0	1.11	35.00	1.35	3.5	2.3	0.33
5.0	3.0	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.6	0.8	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	0.9	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.3	1.0	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.0	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.6	1.3	1.11	23.00	1.20	1.9	1.3	0.30
5.0	3.5	1.0	1.11	32.00	1.35	3.1	2.0	0.33
5.0	2.2	0.7	0.83	25.00	1.35	2.0	1.3	0.33
5.0	3.7	1.5	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.5	1.0	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.4	1.0	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.8	1.0	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.0	1.0	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.5	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	1.8	1.0	1.11	19.00	1.00	1.5	1.1	0.25

zMinimum 500 watts.

Cost of Power to Municipalities and Rates to
Served by The Hydro-Electric
for the

Prompt Payment

Municipality	Annual cost to the Commission on the works to serve electric energy to munici- pality on a kilowatt basis	Domestic service				
		Service charge per month	First rate		All addition- al per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
c—City T—Municipality (Pop. 2,000 or more)						
	\$	cents		cents	cents	\$
Comber.....	44.67		60	3.1	1.0	0.83
Cookstown.....	39.35		45	4.3	1.0	1.39
Cottage Cove Townsite.....			60	4.4	* 2.1	† 1.67
Cottam.....	41.45		60	3.0	1.1	† 2.25
Courtright.....	41.15		60	3.0	1.0	0.83
Creemore.....	38.07		50	3.1	1.1	1.11
Dashwood.....	42.43		60	3.9	1.0	1.39
Delaware.....	38.25		60	3.4	1.3	0.83
Delhi..... T	38.38		60	3.2	1.0	0.83
Deseronto.....	40.58		60	3.9	1.0	0.83
Dorchester.....	39.39		60	2.6	1.0	0.83
Drayton.....	39.05		55	4.0	1.3	1.11
Dresden..... T	43.52		60	3.0	1.1	1.11
Drumbo..... T	41.11		60	3.5	1.0	1.11
Dublin.....	41.20		60	3.5	1.1	1.11
Dundalk.....	39.63		60	2.7	1.0	1.11
Dundas..... T	30.98		60	2.5	1.0	0.83
Dunnville..... T	40.71		60	2.1	0.9	0.83
Durham..... T	37.92		60	2.7	1.1	1.11
Dutton.....	46.36		60	2.3	1.0	0.83
East York Twp.—V.A.....	32.20		60	2.4	1.1	0.83
Eganville.....	43.75	60	40 60 100	5.0 3.0 1.5	0.75	1.11
Elk Lake Townsite.....					Special	
Elmira..... T	36.04		60	2.9	0.9	1.11
Elmvale..... T	40.59		60	2.6	1.0	0.83
Elmwood—V.A.....	37.43		50	3.5	0.9	1.11
Elora.....	39.40		60	3.0	1.1	1.11
Embro.....	38.10		60	3.3	1.1	0.83
Englehart.....					Special	
Erieau.....	44.09		60	3.7	1.0	1.11
Erie Beach.....	43.22		60	5.3	1.5	1.67
Erin.....	39.82		40	5.0	1.5	1.39
Essex..... T	43.74		60	2.8	0.9	1.11
Etobicoke Twp.—V.A.....	34.31		60	2.7	1.3	0.83
Exeter..... T	41.41		60	2.6	1.0	0.83
Fergus..... T	36.38		60	2.9	1.0	1.11
Finch.....	33.57		45	3.0	1.2	1.39
Flesherton.....	30.33		60	2.8	1.0	1.11
Fonthill.....	35.77		60	2.8	1.0	0.83
Forest.....	45.76		60	3.4	1.0	0.83

*2-wire service next 80 kwh, 3-wire service next 180 kwh.

†2-wire service.

‡3-wire service.

Customers in Municipalities, Groups 1 and 3
Power Commission of Ontario
Year 1952—Continued

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.7	0.8	0.83	29.00	1.35	2.6	1.7	0.33
5.0	3.8	1.0	1.39	25.00	1.35	2.0	1.3	0.33
			†1.67					
5.0	4.4	1.1	†2.25	37.00	1.35	3.8	2.5	0.33
5.0	2.6	0.8	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.2	1.0	1.11	39.00	1.35	4.1	2.7	0.33
5.0	2.6	0.9	1.39	21.00	1.20	1.6	1.0	0.30
5.0	3.4	1.1	0.83	34.00	1.35	3.4	2.2	0.33
5.0	3.0	0.8	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.6	0.8	0.83	25.00	1.35	2.0	1.3	0.33
5.0	3.5	0.9	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.1	0.8	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.4	0.7	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.5	0.8	1.11	25.00	1.35	2.0	1.3	0.33
5.0	3.0	0.8	1.11	25.00	1.35	2.0	1.3	0.33
5.0	3.0	0.8	1.11	34.00	1.35	3.4	2.2	0.33
5.0	2.3	0.8	1.11	20.00	1.20	1.4	0.9	0.30
5.0	2.1	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	1.8	0.6	0.83	18.50	1.00	1.5	0.9	0.25
5.0	2.4	1.0	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.0	0.6	0.83	21.00	1.20	1.6	1.0	0.30
5.0	1.9	0.6	0.83	19.00	1.00	1.5	1.1	0.25
6.0	z6.0	1.5	1.11	32.00	1.35	3.1	2.0	0.33
	3.0							
5.0	2.5	Special	1.11	22.00	1.20	Special		
5.0	2.2	0.7	0.83	26.00	1.35	1.7	1.2	0.30
		0.8				2.2	1.4	0.33
5.0	3.0	0.8	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.6	0.7	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.7	0.7	0.83	32.00	1.35	3.1	2.0	0.33
5.0	3.5	Special	1.11	38.00	x1.35	Special		
		0.9				4.0	2.6	0.33
5.0	4.8	1.0	1.67	39.00	1.35	4.1	2.7	0.33
5.0	4.0	1.0	1.39	36.00	1.35	3.7	2.4	0.33
5.0	2.1	0.7	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.2	0.8	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.3	0.4	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.5	0.5	1.11	21.00	1.20	1.6	1.0	0.30
5.0	2.8	1.0	1.39	35.00	1.35	3.5	2.3	0.33
5.0	2.3	0.8	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.3	0.6	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.9	0.7	0.83	32.00	1.35	3.1	2.0	0.33

†2-wire service.

xMinimum bill \$3.00 per kw per month.

‡3-wire service.

z6.0 first 50 kwh, 3.0 next 50 kwh.

Cost of Power to Municipalities and Rates to
Served by The Hydro-Electric
for the
Prompt Payment

Municipality	Annual cost to the Commission on the works to serve electric energy to municipality on a kilowatt basis	Domestic service				
		Service charge per month	First rate		All additional per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
c—City						
T—Municipality (Pop. 2,000 or more)						
	\$	cents		cents	cents	\$
Forest Hill.....T	32.46		60	2.5	1.1	0.83
Fort William.....C	31.36		60	2.0	0.8	0.83
Frankford.....C	32.85		60	4.5	1.2	0.83
Galt.....C	31.30		60	2.8	0.8	0.83
Georgetown.....T	39.63		60	2.6	1.0	0.83
Glen Williams.....			60	3.0	1.1	0.83
					* 2.1	† 1.67
Geraldton.....T			60	4.4	1.1	† 2.25
Glencoe.....	42.60		60	3.0	0.9	1.11
Goderich.....T	42.96		60	3.0	1.1	0.83
Grand Valley.....	44.35		60	2.8	1.0	1.11
Granton.....	38.33		60	3.9	1.4	1.11
Gravenhurst.....T	34.09		60	1.9	0.8	1.11
Grimsby.....T	40.25		60	2.2	0.8	0.83
Guelph.....C	32.06		60	2.1	1.0	0.83
Hagersville.....	35.88		60	2.5	1.0	0.83
Haileybury.....T					Special	
Hamilton.....C	32.36		60	2.4	0.9	0.83
Hanover.....T	32.94		55	2.4	1.0	0.83
Harriston.....	38.66		60	3.0	1.0	0.83
Harrow.....	42.32		45	3.3	1.2	0.83
Hastings.....	38.66		60	4.2	1.0	1.11
Havelock.....	40.37		60	3.6	1.5	0.83
Hawkesbury.....T					Special	
Hearst.....T			60	8.0	2.0	2.78
Hensall.....	39.33		60	3.2	1.0	0.83
Hepworth.....			60	4.0	1.2	1.67
Hespeler.....T	32.93		60	3.0	1.0	0.83
Highgate.....	46.84		60	3.2	0.9	0.83
Holstein.....	40.11		60	3.0	1.0	1.11
					* 2.1	† 1.67
Hudson Townsite.....			60	4.4	1.1	† 2.25
Huntsville.....T	39.24		60	2.4	1.2	1.11
Ingersoll.....T	35.79		60	2.8	1.0	0.83
Iroquois.....	38.21		60	2.5	1.0	0.83
Jarvis.....	40.05		60	2.8	0.9	0.83
					* 4.3	† 1.67
Jellicoe Townsite.....			60	8.6	1.1	† 2.25
					* 1.6	† 1.67
Kearns Townsite.....		56	40	3.5	0.75	† 2.25
Kemptville.....	35.62		55	3.2	1.0	0.83
Kincardine.....T	43.19		50	3.1	1.0	1.11
					* 1.6	† 1.67
King Kirkland Townsite.....		56	40	3.5	0.75	† 2.25
Kingston.....C	29.18		50	1.8	0.8	0.83

*2-wire service next 80 kwh, 3-wire service next 180 kwh.
†2-wire service. ‡3-wire service.

Customers in Municipalities, Groups 1 and 3
Power Commission of Ontario
Year 1952—Continued

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.0	0.6	0.83	18.00	1.00	1.4	0.9	0.25
5.0	1.9	0.4	0.83	18.00	1.00	1.4	0.9	0.25
5.0	3.5	1.0	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.3	0.4	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.1	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.4	0.8	0.83	23.00	1.20	1.9	1.3	0.30
			†1.67					
5.0	4.4	1.1	†2.25	37.00	1.35	3.8	2.5	0.33
5.0	2.6	0.8	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.6	0.7	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.4	0.8	1.11	22.00	1.20	1.7	1.2	0.30
5.0	3.4	1.3	1.11	29.00	1.35	2.6	1.7	0.33
5.0	1.5	0.6	1.11	17.00	1.00	1.3	0.8	0.25
5.0	1.8	0.5	0.83	18.00	1.00	1.4	0.9	0.25
5.0	1.9	0.5	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.0	0.8	0.83	19.00	1.00	1.5	1.1	0.25
		Special				Special		
z5.0	1.7	0.5	0.83	16.50	1.00	1.2	0.7	0.25
5.0	2.0	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.6	0.7	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.9	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	3.6	1.0	1.11	37.00	1.35	3.8	2.5	0.33
5.0	3.1	1.3	0.83	30.00	1.35	2.8	1.8	0.33
		Special				Special		
5.0	7.5	2.0	2.78	45.00	1.35	4.9	3.3	0.33
5.0	2.7	0.9	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.5	1.0	1.67	39.00	1.35	4.1	2.7	0.33
5.0	2.5	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.8	0.7	0.83	29.00	1.35	2.6	1.7	0.33
5.0	2.5	0.8	1.11	35.00	1.35	3.5	2.3	0.33
			†1.67					
5.0	4.4	1.1	†2.25	37.00	1.35	3.8	2.5	0.33
5.0	2.2	1.1	1.11	21.00	1.20	1.6	1.0	0.30
5.0	2.2	0.6	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.0	0.8	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.3	0.6	0.83	24.00	1.20	2.1	1.4	0.30
5.0	8.6	1.1	†1.67	50.00	1.35	5.7	3.8	0.33
			†2.25					
			†1.67					
5.0	3.5	1.0	†2.25	30.00	1.35	2.8	1.8	0.33
5.0	2.7	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.6	0.8	1.11	26.00	1.35	2.2	1.4	0.33
			†1.67					
5.0	3.5	1.0	†2.25	30.00	1.35	2.8	1.8	0.33
5.0	1.5	0.7	0.83	18.00	1.00	1.4	0.9	0.25

†2-wire service.

†3-wire service.

z—Minimum 500 watts.

Cost of Power to Municipalities and Rates to
Served by The Hydro-Electric
for the
Prompt Payment

Municipality	Annual cost to the Commission on the works to serve electric energy to munici- pality on a kilowatt basis	Domestic service				
		Service charge per month	First rate		All addition- al per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
c—City T—Municipality (Pop. 2,000 or more)						
	\$	cents		cents	cents	\$
Kingsville.....T	39.59		60	2.7	1.0	0.83
Kirkfield.....	39.28		50	5.0	1.2	1.66
Kirkland Lake.....					Special	
Kitchener.....C	32.33		60	2.3	1.1	0.83
Lakefield.....	29.04		55	2.8	1.0	0.83
Lambeth.....	35.90		60	3.5	1.3	0.83
Lanark.....	34.90		50	3.8	1.2	0.83
Lancaster.....	33.62		60	3.0	1.0	0.83
Larder Lake Twp.—V.A.....					Special	
La Salle.....	44.29		60	4.2	1.4	1.67
Latchford.....			60	5.0	2.0	1.67
Leamington.....T	41.48		60	2.3	0.9	1.11
Lindsay.....T	34.27		60	2.3	1.0	0.83
Listowel.....T	39.09		60	2.6	1.0	0.83
London.....C	34.64		60	2.4	0.9	0.83
London Twp.—V.A.....	34.68		60	3.2	1.3	1.11
Long Branch.....T	34.10		60	2.2	0.8	0.83
L'Orignal.....					Special	
Lucan.....	44.68		60	3.2	1.1	0.83
Lucknow.....	42.52		55	2.7	1.0	1.39
Lynden.....	37.23		60	3.0	1.0	0.83
Madoc.....	37.54		60	2.9	1.2	0.83
Magnetawan.....	47.54		60	6.0	2.0	3.60
Markdale.....	38.85		60	2.0	1.0	0.83
Markham.....	39.79		60	2.8	1.0	0.83
Marmora.....	40.71		60	3.6	1.0	0.83
Martintown.....	31.55		50	3.0	1.0	1.11
Massey.....					Special	
Matachewan Twp.....			50	4.5	1.0	1.11
Matheson.....		56	40	3.5	*{1.6 0.75	†{1.67 2.25
Maxville.....	35.99		55	3.1	1.0	0.83
McGarry Imp. Dist.....					Special	
Meaford.....T	38.69		60	2.6	1.0	0.83
Merlin.....	42.43		60	3.1	1.0	0.83
Merrickville.....	30.28		60	3.0	1.3	1.11
Merritton.....T	32.20		60	2.8	1.2	0.83
Midland.....T	33.59		60	2.3	0.8	0.83
Mildmay.....	36.64		50	2.8	1.0	1.39
Millbrook.....	37.44		60	4.6	1.0	0.83
Milton.....T	36.03		60	2.8	1.1	0.83

*2-wire service next 80 kwh, 3-wire service next 180 kwh.
†2-wire service. ‡3-wire service.

Customers in Municipalities, Groups 1 and 3
Power Commission of Ontario
Year 1952—Continued

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.0	0.7	0.83	23.00	1.20	1.9	1.3	0.30
5.0	4.5	1.0	1.66	39.00	1.35	4.1	2.7	0.33
		Special				Special		
5.0	2.1	0.8	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.4	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.1	1.1	0.83	39.00	1.35	4.1	2.7	0.33
5.0	3.3	1.0	0.83	38.00	1.35	4.0	2.6	0.33
5.0	2.5	1.0	0.83	35.00	1.35	3.5	2.3	0.33
		Special				Special		
5.0	3.7	1.1	1.67	31.00	1.35	2.9	1.9	0.33
5.0	4.5	2.0	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.5	1.11	21.00	1.20	1.6	1.0	0.30
5.0	2.0	0.9	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.3	0.6	0.83	21.00	1.20	1.6	1.0	0.30
5.0	1.8	0.4	0.83	16.00	1.00	1.1	0.7	0.25
5.0	2.7	1.0	1.11	25.00	1.35	2.0	1.3	0.33
5.0	1.8	0.5	0.83	18.00	1.00	1.4	0.9	0.25
		Special				Special		
5.0	2.7	0.6	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.2	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.5	0.8	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.5	1.1	0.83	30.00	1.35	2.8	1.8	0.33
5.0	5.5	2.0	3.60	35.00	1.35	3.5	2.3	0.33
5.0	1.8	0.8	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.4	0.6	0.83	21.00	1.20	1.6	1.0	0.30
5.0	3.2	0.9	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.0	1.0	1.66	30.00	1.35	2.8	1.8	0.33
		Special				Special		
5.0	3.5	1.0	†1.67 †2.25 †1.67	30.00	1.35	2.8	1.8	0.33
5.0	3.5	1.0	†2.25	30.00	1.35	2.8	1.8	0.33
5.0	2.8	1.0	0.83	35.00	1.35	3.5	2.3	0.33
		Special				Special		
5.0	2.2	0.8	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.6	0.7	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.5	1.2	1.11	20.00	1.20	1.4	0.9	0.30
5.0	2.2	0.8	0.83	19.00	1.00	1.5	1.1	0.25
5.0	1.8	0.7	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.4	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	4.2	1.0	0.83	35.00	1.35	3.5	2.3	0.33
5.0	2.3	0.8	0.83	23.00	1.20	1.9	1.3	0.30

†2-wire service.

‡3-wire service.

Cost of Power to Municipalities and Rates to
Served by The Hydro-Electric
for the

Prompt Payment

Municipality	Annual cost to the Commission on the works to serve electric energy to munici- pality on a kilowatt basis	Domestic service				
		Service charge per month	First rate		All addition- al per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
c—City T—Municipality (Pop. 2,000 or more)						
	\$	cents		cents	cents	\$
Milverton.....	40.27	60	60	3.0	1.1	1.11
Mimico.....T	32.23	60	60	2.5	1.1	0.83
Mitchell.....T	37.63	60	60	3.3	1.2	0.83
Moorefield.....	38.02	60	60	3.2	1.0	1.39
Morrisburg.....	36.97	60	60	3.0	1.0	0.83
Mount Brydges.....	38.57	60	60	2.4	0.8	0.83
Mount Forest.....T	37.39	60	60	2.8	1.0	0.83
Napanee.....T	37.06	60	60	2.8	1.1	0.83
Neustadt.....	36.41	60	60	3.0	1.0	1.39
Newboro.....	31.68	60	60	5.0	1.5	2.22
Newburgh.....	35.07	60	60	4.3	1.2	1.39
Newbury.....	45.34	60	60	4.0	1.0	1.11
Newcastle.....	37.33	60	60	3.0	0.9	1.11
New Hamburg.....	38.67	60	60	3.0	1.1	0.83
New Liskeard.....					Special	
Newmarket.....T	33.78	60	60	2.4	0.8	0.83
New Toronto.....T	33.47	60	60	2.5	1.0	0.83
Niagara.....T	29.27	60	60	2.8	1.1	0.83
Niagara Falls.....C	28.46	60	60	1.9	0.8	1.00
Nipigon Twp.—V.A.....	29.10	60	60	2.8	1.0	1.11
North Bay.....C		60	60	2.3	1.0	0.83
North York Twp.—V.A.....	33.73	60	60	2.8	1.4	0.83
Norwich.....	39.23	60	60	2.5	0.9	0.83
Norwood.....	39.37	50	50	3.9	1.1	1.11
Oakville.....T	35.14	60	60	2.8	1.2	0.83
Oil Springs.....	47.14	60	60	2.6	0.9	1.11
Omeme.....	36.13	60	60	3.3	1.0	0.83
Orangeville.....T	42.20	55	55	2.8	1.0	1.11
Orono.....	35.42	60	60	4.5	1.0	1.11
Oshawa.....C	30.79	60	60	3.0	1.1	0.83
Ottawa.....C	26.51	33-66	60	2.0		
Otterville.....	38.81	60	60	1.0	0.5	0.83
Owen Sound.....C	32.16	60	60	2.6	0.9	0.83
Paisley.....	41.41	50	50	2.4	1.0	1.11
Palmerston.....	41.41	50	50	4.0	1.0	1.39
Palmerston.....	36.89	60	60	2.6	1.0	1.11
Paris.....T	32.68	60	60	2.4	1.0	0.83
Parkhill.....	41.95	60	60	3.4	1.0	1.11
Parry Sound.....T	40.22	60	60	3.2	1.5	0.83
Penetanguishene.....T	37.49	60	60	2.4	0.9	0.83
Perth.....T	31.99	55	55	2.8	1.0	0.83

Customers in Municipalities, Groups 1 and 3
Power Commission of Ontario
Year 1952—Continued

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.6	1.0	1.11	21.00	1.20	1.6	1.0	0.30
5.0	2.2	0.8	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.8	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.8	0.9	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.7	0.8	0.83	23.00	1.20	1.9	1.3	0.30
5.0	1.8	0.5	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.3	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.5	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	4.5	1.5	2.22	30.00	1.35	2.8	1.8	0.33
5.0	3.8	1.2	1.39	28.00	1.35	2.5	1.6	0.33
5.0	3.5	0.9	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.5	0.8	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.5	0.8	0.83	22.00	1.20	1.7	1.2	0.30
		Special				Special		
5.0	2.2	0.7	0.83	22.00	1.20	1.7	1.2	0.30
5.0	1.9	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.3	0.7	0.83	21.00	1.20	1.6	1.0	0.30
5.0	1.7	0.6	1.00	16.00	1.00	1.1	0.7	0.25
5.0	2.4	0.8	1.11	21.00	1.20	1.6	1.0	0.30
5.0	1.8	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.7	1.0	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.2	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.4	0.9	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.5	1.0	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.4	0.6	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.8	0.8	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.8	1.11	18.00	1.00	1.4	0.9	0.25
5.0	4.0	0.8	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.5	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.1	0.5	0.83	18.00	a1.00b	1.8b	1.2b	0.15b
5.0	2.2	0.5	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.1	0.8	1.11	19.00	1.00	1.5	1.1	0.25
5.0	3.5	0.8	1.39	35.00	1.35	3.5	2.3	0.33
5.0	2.2	0.8	1.11	21.00	1.20	1.6	1.0	0.30
5.0	1.9	0.5	0.83	16.00	1.00	1.1	0.7	0.25
5.0	2.7	1.0	1.11	32.00	1.35	3.1	2.0	0.33
5.0	2.7	1.2	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.1	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.0	0.6	0.83	17.00	1.00	1.3	0.8	0.25

a—\$1.00 per hp.

b—Local discount 15 & 10%.

c—or \$1.00 per kw.

Cost of Power to Municipalities and Rates to Served by The Hydro-Electric for the

Prompt Payment

Municipality	Annual cost to the Commission on the works to serve electric energy to municipality on a kilowatt basis	Domestic service				
		Service charge per month	First rate		All additional per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
c—City						
T—Municipality (Pop. 2,000 or more)						
	\$	cents		cents	cents	\$
Peterborough.....C	30.05		60	2.2	1.1	0.83
Petrolia.....T	44.68		60	3.1	1.0	0.83
					*{4.3	†1.67
Pickle Lake Landing.....			60	8.6	1.1	†2.25
Picton.....T	35.18		60	2.0	0.8	0.83
Plattsville.....	40.13		60	3.3	1.2	0.83
Point Edward.....	36.49		60	3.5	1.2	0.83
Port Arthur.....C	29.57		60	2.0	0.8	0.83
Port Carling.....		33-66	45	4.7	1.5	1.66
Port Colborne.....T	34.99		60	2.7	0.9	0.83
Port Credit.....T	35.35		60	2.4	1.1	0.83
Port Dalhousie.....T	36.69		60	2.9	1.1	0.83
Port Dover.....T	38.48		60	2.2	0.8	0.83
Port Elgin.....T	42.84		60	3.5	1.3	1.11
Port Hope.....T	37.78		60	2.4	1.1	0.83
Port McNicoll.....	32.68		60	3.3	1.0	0.83
Port Perry.....	39.62		50	4.0	1.2	1.11
Port Rowan.....	42.24		60	3.2	1.1	1.11
Port Stanley.....	41.87		60	2.8	0.9	1.11
					*{1.6	†1.67
Powassan.....		56	40	3.5	0.75	†2.25
Prescott.....T	36.06		60	2.9	1.3	0.83
Preston.....T	31.08		60	2.9	0.9	0.83
Priceville.....	43.73		60	5.0	1.5	1.67
Princeton.....	40.76		60	3.0	1.0	1.39
Queenston.....	30.89		60	2.6	1.0	0.83
					*{2.1	†1.67
Red Lake Townsite.....			60	4.4	1.1	†2.25
						†1.67
Red Rock Imp. Dist.....	28.69		60	3.0	1.1	†2.22
Renfrew.....T	33.05		45	3.5	1.0	0.83
Richmond.....	29.78		40	4.3	1.2	1.67
Richmond Hill.....T	39.07		60	2.5	0.9	0.83
Ridgetown.....T	45.20		60	2.4	0.9	0.83
Ripley.....	42.49		55	4.8	1.0	1.67
Riverside.....T	40.95		60	3.3	1.1	1.11
Rockwood.....	40.34		60	3.0	1.1	0.83
Rodney.....	48.87		60	2.4	0.8	0.83
Rosseau.....	39.15		60	4.0	2.0	2.22
Russell.....	30.24		55	4.6	1.2	1.39
St. Catharines.....C	31.34		60	2.5	1.3	1.00
St. Clair Beach.....	41.30		60	3.6	1.2	1.11
St. George.....	38.23		60	2.5	0.9	0.83

*2-wire service next 80 kwh, 3-wire service next 180 kwh.

†2-wire service.

‡3-wire service.

Customers in Municipalities, Groups 1 and 3
Power Commission of Ontario
Year 1952—Continued

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.0	0.9	0.83	18.00	1.00	1.4	0.9	0.25
5.0	2.4	0.8	0.83	28.00	1.35	2.5	1.6	0.33
			†1.67					
5.0	8.6	1.1	†2.25	50.00	1.35	5.7	3.8	0.33
5.0	1.7	0.5	0.83	18.00	1.00	1.4	0.9	0.25
5.0	3.0	1.0	0.83	29.00	1.35	2.6	1.7	0.33
5.0	3.0	1.0	0.83	28.00	1.35	2.5	1.6	0.33
5.0	1.9	0.4	0.83	18.00	1.00	1.4	0.9	0.25
5.0	4.5	0.8	1.66	32.00	1.35	3.1	2.0	0.33
5.0	2.4	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.1	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.3	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	1.7	0.6	0.83	18.00	1.00	1.4	0.9	0.25
5.0	2.8	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.0	0.9	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.8	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	3.2	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.7	0.9	1.11	33.00	1.35	3.2	2.1	0.33
5.0	2.4	0.6	1.11	26.00	b1.35	2.2	1.4	0.33
			†1.67					
5.0	3.5	1.0	†2.25	30.00	1.35	2.8	1.8	0.33
5.0	2.6	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.4	0.6	0.83	18.00	1.00	1.4	0.9	0.25
5.0	4.5	1.5	1.67	33.00	1.35	3.2	2.1	0.33
5.0	2.7	0.8	1.39	24.00	1.20	2.1	1.4	0.30
5.0	2.1	0.8	0.83	24.00	1.20	2.1	1.4	0.30
			†1.67					
5.0	4.4	1.1	†2.25	37.00	1.35	3.8	2.5	0.33
			†1.67					
5.0	3.0	1.0	†2.22	21.00	1.20	1.6	1.0	0.30
5.0	2.0	0.5	0.83	21.00	1.20	1.6	1.0	0.30
5.0	4.0	1.0	1.67	35.00	1.35	3.5	2.3	0.33
5.0	2.0	0.6	0.83	20.00	1.20	1.4	0.9	0.30
5.0	1.9	0.6	0.83	20.00	1.20	1.4	0.9	0.30
5.0	4.3	0.8	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.6	0.6	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.5	0.9	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.1	0.5	0.83	24.00	1.20	2.1	1.4	0.30
5.0	4.0	2.0	2.22	39.00	1.35	4.1	2.7	0.33
5.0	4.3	1.0	1.39	35.00	1.35	3.5	2.3	0.33
z5.0	2.1	0.9	a1.00	21.00	1.20	1.6	1.0	0.30
5.0	3.5	1.1	1.11	32.00	1.35	3.1	2.0	0.33
5.0	2.0	0.6	0.83	22.00	1.20	1.7	1.2	0.30

†2-wire service. ‡3-wire service.

z—Minimum 500 watts. a—\$1.00 or \$1.00 per kw. b—Min. bill \$1.50 per kw per month.

Cost of Power to Municipalities and Rates to
Served by The Hydro-Electric
for the
Prompt Payment

Municipality	Annual cost to the Commission on the works to serve electric energy to municip- ality on a kilowatt basis	Domestic service				
		Service charge per month	First rate		All addition- al per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
c—City T—Municipality (Pop. 2,000 or more)						
	\$	cents		cents	cents	\$
St. Jacobs.....	39.40	60	2.6	1.0	0.83	
St. Mary's.....T	33.14	60	3.5	1.2	0.83	
St. Thomas.....C	34.50	60	2.6	1.0	0.83	
Sarnia.....C	37.31	60	3.0	1.2	0.83	
Scarborough Twp.—V.A.....	33.84	60	2.6	1.1	0.83	
Schreiber Twp.—V.A.....	33.42	60	3.5	1.2	1.67	
Seaforth.....T	33.35	60	3.1	1.2	0.83	
Shelburne.....	42.89	60	2.7	1.0	1.11	
Simcoe.....T	32.88	60	2.2	0.8	0.83	
Sioux Lookout.....T		60	4.0	1.5	2.00	
Smith's Falls.....T	28.44	60	2.6	1.0	0.83	
Smithville.....	38.28	60	3.0	0.9	0.83	
Southampton.....	42.23	50	3.2	1.1	1.11	
South Porcupine Townsite.....				Special		
Springfield.....	39.66	60	3.4	0.9	0.83	
Stamford Twp.—V.A.....	28.04	60	3.1	1.3	1.00	
Stayner.....	37.98	55	3.0	1.0	0.83	
Stirling.....	31.76	60	2.5	1.0	0.83	
Stoney Creek.....	35.12	60	3.5	1.1	0.83	
Stouffville.....	38.28	60	2.1	0.8	0.83	
Stratford.....C	33.02	60	2.6	0.9	0.83	
Strathroy.....T	34.73	60	3.1	0.9	0.83	
Streetsville.....	34.91	60	2.8	1.0	0.83	
Sturgeon Falls.....T				Special		
Sudbury.....C		60	2.6	1.2	1.11	
Sunderland.....	38.58	60	3.5	1.0	1.11	
Sundridge.....	47.66	60	5.8	2.0	2.50	
Sutton.....	39.07	60	2.7	1.0	1.11	
Swansea.....T	32.86	60	2.4	1.1	0.83	
Tara.....	40.76	60	2.8	1.2	1.11	
Tavistock.....	37.35	60	2.5	0.9	0.83	
Tecumseh.....T	42.12	60	3.5	1.0	1.11	
Teeswater.....	43.58	60	3.0	1.0	1.11	
Terrace Bay Imp. Dist.....	29.73	60	2.7	1.0	1.67	
Thamesford.....	42.73	60	3.1	1.1	0.83	
Thamesville.....	45.65	60	3.0	1.0	0.83	
Thedford.....	45.08	60	3.6	1.0	0.83	
Thornbury.....	38.38	60	3.5	1.3	1.11	
Thorndale.....	38.70	60	4.1	1.2	0.83	
Thornloe.....				Special		

Customers in Municipalities, Groups 1 and 3
Power Commission of Ontario
Year 1952—Continued

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.2	0.8	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.0	1.0	0.83	23.00	1.20	1.9	1.3	0.30
5.0	1.9	0.4	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.5	0.8	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.1	0.7	0.83	21.00	1.20	1.6	1.0	0.30
5.0	3.0	1.2	1.67	29.00	1.35	2.6	1.7	0.33
5.0	2.6	0.9	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.3	0.9	1.11	20.00	1.20	1.4	0.9	0.30
5.0	1.8	0.5	0.83	19.00	1.00	1.5	1.1	0.25
5.0	3.5	2.0	x1.00	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.5	0.7	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.9	1.1	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.9	Special 0.8	0.83	30.00	1.35	Special 2.8	1.8	0.33
5.0	2.8	1.2	1.00	21.00	1.20	1.6	1.0	0.30
5.0	2.3	0.9	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.0	1.0	0.83	19.00	1.00	1.5	1.1	0.25
5.0	3.2	0.7	0.83	27.00	1.35	2.3	1.5	0.33
5.0	1.8	0.5	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.0	0.4	0.83	18.00	1.00	1.4	0.9	0.25
5.0	2.5	0.6	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.3	0.5	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.4	Special 1.2	1.11	25.00	1.35	Special 2.0	1.3	0.33
5.0	3.0	0.8	1.11	33.00	1.35	3.2	2.1	0.33
5.0	5.3	2.0	2.50	35.00	1.35	3.5	2.3	0.33
5.0	2.4	0.7	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.0	0.8	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.4	1.0	1.11	31.00	1.35	2.9	1.9	0.33
5.0	2.0	0.5	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.9	0.7	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.6	0.8	1.11	34.00	1.35	3.4	2.2	0.33
5.0	2.2	1.0	1.67	29.00	1.35	2.6	1.7	0.33
5.0	2.5	0.8	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.5	0.6	0.83	26.00	1.35	2.2	1.4	0.33
5.0	3.2	0.7	0.83	28.00	1.35	2.5	1.6	0.33
5.0	3.1	1.3	1.11	23.00	1.20	1.9	1.3	0.30
5.0	3.7	1.0	0.83	36.00	1.35	3.7	2.4	0.33
		Special				Special		

x—Per 100 watts—min. \$2.00 max. \$5.00.

Cost of Power to Municipalities and Rates to
Served by The Hydro-Electric
for the
Prompt Payment

Municipality	Annual cost to the Commission on the works to serve electric energy to munici- pality on a kilowatt basis	Domestic service				
		Service charge per month	First rate		All addition- al per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
c—City T—Municipality (Pop. 2,000 or more)						
	\$	cents		cents	cents	\$
Thornton.....	33.67	.....	60	3.8	1.0	1.39
Thorold.....T	32.92	.....	60	2.7	1.4	1.11
Tilbury.....T	44.86	.....	60	2.3	0.9	0.83
Tillsonburg.....T	32.87	.....	60	2.6	0.9	0.83
Timmins.....T					Special	
Toronto.....C	32.53	.....	60	1.8	1.2	0.83
Toronto Twp.—V.A.....	33.58	.....	60	2.7	1.2	1.11
Tottenham.....	40.59	.....	50	3.5	1.0	1.39
Trafalgar Twp.—V.A.....	38.67	.....	60	3.9	1.9	x0.83
Trenton.....T	26.91	.....	60	1.8	0.8	0.83
Tweed.....	38.57	.....	50	3.8	1.0	0.83
Uxbridge.....	40.23	.....	60	3.1	1.0	1.11
Vankleek Hill.....					Special	
Victoria Harbour.....	42.16	.....	60	2.8	1.2	1.11
Walkerton.....T	34.37	.....	50	3.2	1.1	1.11
Wallaceburg.....T	37.45	.....	60	2.6	0.8	0.83
Wardsville.....	45.60	.....	60	3.6	0.9	1.11
Warkworth.....	35.58	.....	50	3.5	1.2	1.11
Waterdown.....	36.26	.....	60	2.6	1.0	0.83
Waterford.....	37.09	.....	60	2.3	0.9	0.83
Waterloo.....C	32.30	.....	60	2.0	0.9	0.83
Watford.....	40.13	.....	60	3.1	1.1	0.83
Waubashene—V.A.....	40.12	.....	55	3.0	1.0	1.11
Webbwood.....					Special	
Welland.....C	31.96	.....	60	1.9	0.8	0.83
Wellesley.....	38.61	.....	60	3.0	1.2	0.83
Wellington.....	36.15	.....	60	2.5	0.9	0.83
West Lorne.....	46.29	.....	60	2.7	0.9	1.11
Weston.....T	33.27	.....	60	2.3	1.0	0.83
Westport.....	33.37	.....	50	4.0	1.0	1.94
Wheatley.....	44.57	.....	60	2.9	1.0	0.83
Whitby.....T	32.52	.....	60	2.7	1.2	0.83
Warton.....	40.80	.....	50	2.8	0.9	1.11
Williamsburg.....	38.20	.....	60	2.0	0.8	0.83
Winchester.....	35.81	.....	60	2.3	1.0	0.83
Windermere.....	35.48	.....	60	4.0	1.5	2.22
Windsor.....C	36.67	.....	60	3.0	1.0	0.83
Wingham.....T	41.31	.....	50	3.2	1.1	1.11
Woodbridge.....	37.04	.....	60	2.6	0.9	0.83
Woodstock.....C	32.93	.....	60	2.9	1.0	1.11
Woodville.....	41.83	.....	50	3.8	1.0	1.11
Wyoming.....	43.50	.....	60	3.4	1.0	0.83
York Twp.—V.A.....	32.29	.....	60	2.2	0.9	0.83
Zurich.....	41.62	.....	60	3.7	1.2	0.83

xUnder 10 kw 83 cents; over 10 kw \$2.22.

Customers in Municipalities, Groups 1 and 3
Power Commission of Ontario
Year 1952—Concluded

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	3.3	1.0	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.2	1.2	1.11	22.00	1.20	1.7	1.2	0.30
5.0	1.9	0.7	0.83	18.50	1.00	1.5	0.9	0.25
5.0	2.1	0.6	0.83	20.00	1.20	1.4	0.9	0.30
		Special				Special		
27.5	1.9	0.5	0.83	21.00	{1.00	{2.0	{1.0	{0.31
5.0	2.3	0.9	1.11	22.00	{b d-c	{3.0	{1.2	{0.60
5.0	3.0	1.0	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.2	1.1	0.83	28.00	1.35	2.5	1.6	0.33
5.0	1.6	0.6	0.83	19.00	1.00	1.5	1.1	0.25
5.0	3.3	1.0	0.83	29.00	1.35	2.6	1.7	0.33
5.0	2.7	0.8	1.11	26.00	1.35	2.2	1.4	0.33
		Special				Special		
5.0	2.3	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.4	0.9	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.0	0.5	0.83	19.00	1.00	1.5	1.1	0.25
5.0	3.2	0.8	1.11	30.00	1.35	2.8	1.8	0.33
5.0	3.0	1.0	1.11	32.00	1.35	3.1	2.0	0.33
5.0	2.1	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	1.8	0.6	0.83	17.00	1.00	1.3	0.8	0.25
5.0	1.9	0.6	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.8	0.9	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.2	1.0	1.11	33.00	1.35	3.2	2.1	0.33
		Special				Special		
5.0	1.7	0.6	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.7	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.3	0.7	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.4	0.6	1.11	26.00	1.35	2.2	1.4	0.33
5.0	1.8	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	3.5	1.0	1.94	39.00	1.35	4.1	2.7	0.33
5.0	2.7	0.7	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.3	1.0	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.3	0.8	1.11	33.00	1.35	3.2	2.1	0.33
5.0	2.0	0.8	0.83	32.00	1.35	3.1	2.0	0.33
5.0	1.8	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	4.0	1.5	2.22	39.00	1.35	4.1	2.7	0.33
5.0	2.5	1.0	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.6	0.8	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.2	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.0	0.8	1.11	19.00	1.00	1.5	1.1	0.25
5.0	2.8	0.8	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.9	0.7	0.83	33.00	1.35	3.2	2.1	0.33
5.0	2.0	0.6	0.83	19.00	1.00	1.5	1.1	0.25
5.0	3.4	0.9	0.83	32.00	1.35	3.1	2.0	0.33

b—Direct-current service charge \$1.50 per kw per month for first 7½kw plus \$1.05 per kw for all additional demand. z—Minimum 500 watts.

STATEMENT "D"

Statement "D" gives useful and interesting information about the services rendered by the municipal electrical utilities operating under cost or fixed-rate contracts with the Commission. It gives for each of the three main classes of service the revenue, number of customers, average consumption or load, and certain average unit costs. The revenue and estimated consumption resulting from the use of flat-rate water-heaters are included in the total figures given. The population given for the municipalities represented is the assessed population.

The average cost per kilowatt-hour to the customer also represents the average revenue per kilowatt-hour received by the utility. Since the revenue includes any surplus or deficit resulting from the year's operation under rates currently in effect, the average cost per kilowatt-hour should not be taken as the utility's cost of supplying one kilowatt-hour. If rates are increased to offset a recurring deficit, the average cost per kilowatt-hour may go up. An increase in consumption accompanying an increase in rates would, however, tend to stabilize the average cost. A comparison of the average costs per kilowatt-hour over a number of years will show the trend in any one municipality. The trend in all municipalities, whether served under cost or fixed-rate contracts or as local systems, can be seen by referring to the tables and graphs on pages 32 to 35.

The figures in Statement "D" should not be used to compare the cost of service in one municipality with the cost in another. For such a comparison, the rates given in Statement "C" for the municipalities compared should be applied to a given number of kilowatt-hours. It should be noted that the ratio between first and second rates for domestic and commercial light service is not uniform for all municipalities. Of two municipalities compared, therefore, the one with the lower average cost for a given number of kilowatt-hours may have the higher average cost for a different number of kilowatt-hours.

An increase in consumption is one of the main factors in reducing the average cost per unit of energy. Where energy consumption is high because of the generous use of a variety of electrical appliances, greater advantage is taken of low follow-up rates or flat-rate water-heater rates. Under these conditions, the average cost per kilowatt-hour is low. One of the features of domestic service by the Commission is the large annual consumption per customer.

Power service rates incorporate charges both for power (kilowatts of demand) and for energy (kilowatt-hours consumed). A customer is thus required to pay first for his share of the demand that the municipal electrical utility is obliged to supply, and second for the energy consumed. If the customer uses his demand for a brief time only, his total bill may be small, but the cost per kilowatt-hour will be relatively high. On the other hand, the use of

demand for a long period will increase the total bill but substantially reduce the cost per kilowatt-hour. Since the relatively small number of power customers in the various municipalities have such widely varying power demands in relation to their energy consumption, the average cost per kilowatt-hour is not shown.

For power service, as for domestic and commercial light service, the statistics in Statement "D" should be used only as a measure of the general economy of service to customers in the municipalities supplied under cost and fixed-rate contracts. For comparisons of costs between municipalities, the rates in Statement "C" should be used in conjunction with typical demands and energy consumption of customers taking similar service under comparable conditions.

For convenience, the municipalities in Statement "D" have been listed alphabetically in four classifications: (i) cities over 10,000 in population, (ii) voted areas densely populated and adjacent to cities, (iii) municipalities with population of 2,000 or more, and (iv) municipalities whose population is under 2,000.

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the
CITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Belleville.....	19,592	236,682.56	29,393,388	5,422	452	3.64	0.805
Brantford.....	37,295	358,915.73	39,162,977	9,800	333	3.05	0.916
Chatham.....	21,730	211,404.01	14,227,870	5,769	206	3.05	1.486
Fort William.....	36,888	492,735.79	71,078,798	9,982	593	4.11	0.693
Galt.....	20,801	233,310.20	22,716,209	6,005	315	3.24	1.029
Guelph.....	28,617	313,502.09	29,929,830	7,224	345	3.62	1.049
Hamilton.....	212,234	2,010,635.95	194,570,172	55,673	291	3.01	1.034
Kingston.....	43,845	471,885.82	55,604,157	11,042	420	3.56	0.849
Kitchener.....	50,363	640,153.30	61,025,818	13,479	377	3.96	1.050
London.....	97,109	1,007,359.18	107,389,789	25,670	349	3.27	0.938
Niagara Falls.....	24,158	217,343.04	26,353,925	5,964	368	3.04	0.826
North Bay.....	19,322	222,780.18	21,954,191	4,593	398	4.04	1.015
Oshawa.....	41,631	591,010.29	52,348,710	11,376	383	4.33	1.129
Ottawa.....	200,936	2,529,104.05	320,498,526	53,331	500	3.95	0.789
Owen Sound.....	16,724	196,753.10	17,160,796	4,658	307	3.52	1.147
Peterborough.....	38,392	471,277.01	50,140,377	10,256	407	3.83	0.940
Port Arthur.....	33,698	411,517.35	46,564,180	8,879	437	3.86	0.884
St. Catharines.....	38,619	409,504.03	40,369,611	10,844	310	3.15	1.016
St. Thomas.....	18,844	225,472.50	22,270,138	5,547	335	3.39	1.012
Sarnia.....	37,480	471,825.63	34,253,794	9,680	295	4.06	1.378
Stratford.....	19,302	257,963.89	26,190,523	5,328	410	4.03	0.983
Sudbury.....	46,059	590,381.07	52,344,701	11,439	381	4.30	1.128
Toronto.....	667,364	7,206,869.14	694,248,520	157,761	367	3.81	1.038
Waterloo.....	12,449	153,280.40	16,927,713	3,393	416	3.76	0.904
Welland.....	16,292	102,034.63	10,667,227	3,950	225	2.15	0.956
Windsor.....	125,760	1,335,640.65	104,882,053	30,600	286	3.64	1.273
Woodstock.....	15,834	209,371.80	19,533,959	4,626	352	3.77	1.072

VOTED AREAS adjacent to

Brantford Twp.....	17,866	205,431.58	15,129,657	3,505	360	4.88	1.356
East York Twp.....	63,951	803,765.98	77,703,372	17,317	374	3.87	1.034
Etobicoke Twp.....	62,685	1,001,337.78	104,610,447	19,340	451	4.31	0.957
London Twp.....	16,873	40,109.76	3,523,984	813	361	4.11	1.139
North York Twp.....	96,717	1,741,300.61	167,099,628	29,472	472	4.92	1.042
Scarborough Twp.....	63,862	703,899.56	58,831,244	16,773	292	3.50	1.196
Stamford Twp.....	20,633	265,420.62	23,958,203	5,056	395	4.37	1.106
Toronto Twp.....	30,000	389,379.63	33,881,397	7,208	392	4.50	1.149
York Twp.....	98,915	1,103,677.38	119,364,252	27,485	362	3.35	0.925

Statement D includes 327 municipalities of group 1, see page 30.

AND CONSUMPTION

Power service in Municipalities

Year 1952

Population 10,000 or more

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
134,286.55	11,399,397	829	1,146	13.50	1.178	108,375.70	144	4,671.9	6,395
179,738.54	15,517,725	1,585	816	9.45	1.158	614,522.73	269	25,018.0	11,654
222,802.43	13,529,839	1,029	1,096	18.05	1.647	272,034.71	173	9,529.8	6,971
222,412.13	21,395,056	1,425	1,251	13.01	1.039	484,876.89	201	19,980.9	11,608
108,796.14	7,730,061	675	954	13.43	1.408	279,162.20	179	11,698.9	6,859
120,857.35	9,373,863	849	920	11.86	1.289	278,758.55	184	10,911.8	8,257
1,041,670.84	93,842,851	6,946	1,126	12.50	1.110	4,278,429.84	1,361	166,943.2	63,980
312,755.01	28,477,347	1,371	1,731	19.01	1.098	246,062.32	215	10,290.0	12,628
298,772.90	20,421,151	1,452	1,172	17.15	1.463	817,077.71	362	26,744.8	15,293
477,143.75	40,958,835	2,473	1,380	15.07	1.092	814,679.42	422	33,456.6	28,565
154,356.74	13,277,338	978	1,131	13.15	1.163	186,870.02	156	7,896.9	7,098
120,424.34	9,127,289	835	911	12.02	1.319	87,763.02	104	2,885.6	5,532
205,790.30	12,174,824	1,079	940	15.89	1.690	651,906.32	188	19,377.4	12,643
2,137,095.16	167,888,529	7,565	1,849	23.54	1.273	771,157.26	995	31,714.6	61,891
110,931.14	7,304,869	674	903	13.72	1.519	134,616.23	123	5,464.2	5,455
196,404.22	13,911,171	1,301	891	12.58	1.412	386,105.95	203	14,969.5	11,760
220,431.24	18,458,753	1,161	1,324	15.82	1.194	533,740.97	157	22,767.4	10,197
240,994.00	17,627,165	1,437	1,022	13.98	1.368	702,525.73	280	26,860.0	12,561
102,773.75	8,805,622	700	1,048	12.23	1.167	140,025.77	106	5,742.8	6,353
215,278.83	12,940,942	1,167	924	15.37	1.664	462,318.03	115	11,243.3	10,962
97,603.07	7,029,108	700	837	11.62	1.388	111,402.69	153	4,720.9	6,181
296,530.84	18,776,804	1,408	1,111	17.55	1.579	96,082.76	165	3,083.9	13,012
5,443,267.64	402,356,880	27,472	1,221	16.51	1.353	7,675,701.05	*6,302	241,116.9	191,535
59,580.17	4,331,664	343	1,052	14.48	1.376	136,567.89	94	5,099.7	3,830
83,429.22	6,747,311	615	914	11.30	1.236	284,831.31	118	10,322.4	4,683
844,357.02	50,306,218	4,080	1,027	17.25	1.678	1,534,776.64	649	48,434.4	35,329
111,069.54	7,469,902	633	983	14.62	1.487	193,088.70	116	7,424.8	5,375

*Does not include street railway power.

cities and predominantly urban

29,252.31	1,344,611	140	800	17.41	2.176	20,002.61	18	632.6	3,663
114,456.54	9,230,345	862	892	11.07	1.240	165,075.86	120	6,325.7	18,299
199,868.56	14,798,299	1,114	1,107	14.95	1.351	296,042.88	196	10,911.7	20,650
5,338.92	321,307	27	992	16.48	1.661	1,293.57	4	39.0	844
313,952.51	24,710,237	1,733	1,182	15.10	1.271	325,104.24	242	11,253.8	31,447
177,052.31	12,440,875	1,220	850	12.09	1.423	361,566.66	200	11,841.5	18,193
67,513.63	3,153,964	328	801	17.15	2.141	52,211.40	45	1,807.4	5,429
78,698.90	4,830,185	635	634	10.33	1.629	127,789.38	112	4,248.3	7,955
281,003.63	20,123,186	1,961	855	11.94	1.396	359,879.47	364	13,777.6	29,810

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year
MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Acton	3,020	35,152.82	3,223,442	783	343	3.74	1.090
Alexandria	2,236	19,195.41	1,334,396	554	201	2.89	1.438
Alliston	2,113	27,646.75	2,136,762	590	302	3.90	1.294
Almonte	2,449	28,426.44	2,945,168	762	322	3.11	0.965
Amherstburg	3,686	51,512.71	4,834,430	974	414	4.41	1.066
Arnprior	4,528	45,111.59	4,070,187	1,156	293	3.25	1.108
Aurora	3,554	53,498.04	5,258,255	1,065	411	4.19	1.017
Aylmer	3,645	35,046.55	3,931,706	1,016	323	2.88	0.891
Barrie	13,721	174,387.38	19,024,103	3,610	439	4.03	0.917
Blenheim	2,598	18,940.42	1,339,912	758	147	2.08	1.414
Bowmanville	5,431	77,590.60	6,560,285	1,728	316	3.74	1.183
Brampton	8,945	122,299.03	11,933,813	2,407	413	4.23	1.025
Brighton	2,027	25,478.52	2,061,376	636	270	3.34	1.236
Brockville	12,221	138,786.00	13,884,996	3,621	319	3.19	0.999
Burlington	6,709	101,295.80	9,088,211	1,989	381	4.24	1.113
Capreol	2,071	29,150.08	2,236,812	601	310	4.04	1.303
Carleton Place	4,590	48,256.57	4,210,357	1,312	267	3.06	1.146
Clinton	2,575	34,802.64	3,552,789	797	371	3.64	0.981
Cobourg	8,117	102,224.95	8,996,509	2,158	347	3.95	1.136
Collingwood	7,468	75,287.34	6,215,858	2,139	242	2.93	1.211
Delhi	2,605	30,403.00	2,349,820	848	231	2.99	1.294
Dresden	2,140	17,130.71	935,740	618	126	2.31	1.833
Dundas	7,235	72,159.56	6,109,325	1,988	256	3.02	1.180
Dunnville	4,593	28,422.92	2,189,730	1,314	139	1.80	1.298
Elmira	2,571	34,505.89	3,119,949	739	352	3.89	1.105
Essex	2,931	25,420.50	1,881,260	816	192	2.60	1.351
Exeter	2,609	39,652.04	3,536,724	826	357	4.00	1.120
Fergus	3,515	46,746.05	3,935,555	979	335	3.98	1.188
Forest Hill	16,965	313,293.59	35,130,550	4,936	593	5.29	0.892
Georgetown	3,550	56,869.16	5,281,381	1,212	363	3.91	1.077
Goderich	5,252	77,665.18	6,027,802	1,655	304	3.91	1.286
Gravenhurst	3,024	32,229.29	3,515,455	971	302	2.77	0.917
Grimsby	2,934	28,310.99	3,079,023	945	272	2.50	0.919
Hanover	3,901	48,131.81	4,117,340	1,096	313	3.66	1.169
*Hearst	2,083	16,301.92	335,587	456	92	4.47	4.858
Hespeler	3,780	42,014.01	3,393,104	1,033	274	3.39	1.237
Huntsville	3,262	40,968.32	3,708,058	897	344	3.81	1.105
Ingersoll	6,448	68,827.88	5,509,042	1,880	244	3.05	1.250
Kincardine	2,633	32,261.39	2,591,732	877	246	3.07	1.245
Kingsville	2,668	30,556.89	2,417,992	878	229	2.90	1.264
Leamington	7,552	64,201.18	5,607,951	2,168	216	2.47	1.145
Lindsay	9,753	120,225.51	10,874,046	2,781	326	3.60	1.106
Listowel	3,457	43,612.82	3,834,678	1,055	303	3.44	1.135
Long Branch	8,684	92,338.52	10,893,110	2,342	388	3.29	0.848
McGarry Imp. Dist.	2,172	23,726.22	1,338,939	320	349	6.18	1.772

*8 months' operation.

AND CONSUMPTION

Power service in Municipalities

1952—(Continued)

Population 2,000 or more

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
14,471.97	957,430	114	700	10.58	1.511	56,847.19	27	2,034.4	924
15,957.06	816,266	152	448	8.75	1.955	14,989.90	16	387.7	722
14,650.29	727,001	140	433	8.72	2.015	14,607.93	30	492.2	760
11,377.36	657,722	125	438	7.58	1.730	22,414.04	26	926.5	913
22,673.47	1,646,432	187	734	10.10	1.377	19,993.47	21	656.2	1,182
26,208.34	1,519,718	174	728	12.55	1.725	35,617.58	34	1,422.7	1,364
20,967.99	1,954,438	161	1,012	10.85	1.073	33,017.85	30	1,267.4	1,256
24,029.77	1,997,416	225	740	8.90	1.203	31,147.44	31	1,190.3	1,272
101,647.74	7,579,423	569	1,110	14.89	1.341	70,128.98	83	2,881.9	4,262
21,644.46	1,376,096	169	679	10.67	1.573	16,172.74	19	509.0	946
26,047.03	1,514,728	214	590	10.14	1.720	81,946.54	32	1,980.2	1,974
46,961.67	3,263,275	339	802	11.54	1.439	48,650.47	79	1,934.5	2,825
11,916.29	634,525	145	365	6.85	1.878	6,084.80	10	245.3	791
61,196.45	4,729,178	498	791	10.24	1.294	170,494.18	81	5,772.5	4,200
41,186.68	2,529,638	241	875	14.24	1.627	31,046.23	32	752.3	2,262
8,567.91	480,185	76	527	9.39	1.784	9,968.35	2	223.2	679
22,568.21	1,193,260	224	444	8.40	1.891	38,478.79	23	1,392.5	1,559
16,872.46	1,089,439	167	544	8.42	1.548	13,982.64	25	465.7	989
45,560.49	3,200,563	289	923	13.14	1.424	67,621.17	60	2,300.2	2,507
37,792.78	2,448,603	304	671	10.36	1.543	66,897.52	66	2,770.6	2,509
27,399.07	1,379,578	234	491	9.76	1.988	13,626.43	32	478.6	1,114
17,569.31	920,778	152	505	9.63	1.907	17,420.09	20	531.2	790
34,348.56	2,142,262	243	735	11.78	1.603	71,248.21	52	2,897.7	2,283
27,843.04	2,023,452	274	615	8.47	1.377	42,371.02	34	1,611.3	1,622
22,870.55	1,314,884	146	751	13.05	1.738	54,155.69	27	1,643.8	912
21,234.45	1,405,366	162	723	10.92	1.511	14,935.74	28	613.5	1,006
17,608.04	1,081,513	161	560	9.11	1.627	12,246.78	25	577.5	1,012
17,025.85	1,057,432	130	678	10.91	1.609	33,637.92	19	1,283.3	1,128
71,961.32	5,295,843	456	968	13.15	1.359	8,243.61	50	358.8	5,442
19,797.79	1,252,951	163	641	10.12	1.580	49,649.73	31	1,621.4	1,406
39,447.82	2,034,469	290	585	11.34	1.938	49,624.40	49	1,597.4	1,994
20,441.43	1,851,745	176	877	9.68	1.104	20,124.40	23	818.9	1,170
19,295.90	1,469,871	174	704	9.24	1.312	13,578.15	18	530.6	1,137
19,569.26	1,143,416	179	532	9.11	1.711	41,332.17	32	1,492.3	1,307
21,523.06	416,388	142	367	18.95	5.169	2,625.77	7	67.8	605
13,833.20	779,111	116	560	9.94	1.775	108,267.38	32	3,348.6	1,181
35,940.76	2,051,471	193	885	15.52	1.752	24,573.79	26	790.4	1,116
36,972.44	2,259,812	254	741	12.13	1.637	82,126.51	46	3,042.7	2,180
18,121.93	829,832	158	438	9.56	2.184	21,701.20	24	616.0	1,059
20,974.34	1,221,827	191	533	9.15	1.717	8,623.64	26	358.8	1,095
38,560.19	2,830,251	394	599	8.16	1.362	53,230.12	55	1,759.3	2,617
68,003.40	3,971,270	441	750	12.85	1.712	75,932.89	82	2,966.0	3,304
29,438.26	1,672,576	196	711	12.52	1.761	29,367.56	34	1,124.7	1,285
26,995.41	2,400,841	242	827	9.30	1.124	37,787.48	28	1,623.1	2,612
9,052.08	758,523	60	1,054	12.57	1.193	1,411.53	1	23.6	381

CUSTOMERS, REVENUE **for Domestic, Commercial light, and** **during the Year**

= MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Meaford.....	3,352	35,487.45	2,792,684	1,038	224	2.85	1.271
Merritton.....	4,909	56,139.44	5,182,658	1,313	329	3.56	1.082
Midland.....	7,480	76,350.00	7,855,780	2,099	312	3.03	0.972
Milton.....	2,560	33,759.63	3,026,914	760	332	3.70	1.115
Mimico.....	11,975	155,728.40	14,823,279	3,384	365	3.83	1.051
Mount Forest.....	2,198	24,411.78	1,863,180	657	236	3.10	1.310
Napanee.....	3,863	53,147.75	4,713,051	1,133	347	3.91	1.128
Newmarket.....	5,749	66,258.99	6,951,030	1,580	367	3.49	0.953
New Toronto.....	11,236	109,395.10	11,354,752	2,436	388	3.74	0.963
Niagara.....	2,240	43,809.18	4,563,064	907	419	4.03	0.962
Oakville.....	7,101	82,509.85	7,214,496	2,078	289	3.31	1.144
Orangeville.....	3,420	38,477.75	3,133,225	976	268	3.29	1.228
Paris.....	5,337	51,631.80	4,700,827	1,440	272	2.99	1.099
Parry Sound.....	5,170	58,480.29	4,116,491	1,381	248	3.53	1.421
Penetanguishene.....	4,996	31,937.57	2,771,315	1,061	218	2.51	1.152
Perth.....	4,991	56,470.95	4,765,744	1,462	272	3.22	1.185
Petrolia.....	3,130	27,466.10	1,787,214	941	158	2.43	1.538
Pictou.....	4,103	49,432.95	5,349,210	1,361	328	3.03	0.924
Port Colborne.....	12,744	86,502.92	6,830,470	3,164	180	2.28	1.267
Port Credit.....	4,000	61,003.99	6,486,370	1,164	464	4.37	0.940
Port Dalhousie.....	2,612	47,044.58	4,709,841	944	416	4.15	0.998
Port Dover.....	2,411	23,093.84	1,927,195	1,033	155	1.86	1.200
Port Hope.....	6,400	89,544.48	8,451,326	1,961	359	3.81	1.060
Prescott.....	3,784	48,323.18	3,534,816	1,000	295	4.03	1.367
Preston.....	8,189	90,715.95	8,053,304	2,125	316	3.56	1.127
Renfrew.....	7,533	71,135.62	5,710,091	1,928	247	3.07	1.247
Richmond Hill.....	3,140	35,254.60	3,628,760	697	434	4.22	0.972
Ridgetown.....	2,280	17,368.41	1,282,715	746	143	1.94	1.357
Riverside.....	10,138	142,528.19	10,854,162	2,959	306	4.01	1.313
St. Mary's.....	4,061	69,284.43	5,268,730	1,239	354	4.66	1.316
Seaforth.....	2,151	28,494.53	2,086,370	645	270	3.68	1.363
Simcoe.....	7,138	54,271.48	4,897,564	2,112	193	2.14	1.109
Sioux Lookout.....	2,427	39,233.54	2,473,173	697	295	4.69	1.586
Smith's Falls.....	8,347	106,357.31	9,846,742	2,567	320	3.45	1.080
Strathroy.....	3,705	53,831.98	4,871,150	1,163	349	3.86	1.106
Sturgeon Falls.....	5,132	45,227.00	2,187,893	1,083	168	3.48	2.067
Swansea.....	8,250	133,978.04	13,682,196	2,502	456	4.46	0.979
Tecumseh.....	3,565	35,612.40	2,232,610	1,000	186	2.97	1.595
Thorold.....	6,705	53,748.32	5,162,631	1,734	248	2.58	1.040
Tilbury.....	2,920	21,568.72	1,739,375	808	179	2.23	1.240
Tillsonburg.....	5,387	51,225.93	4,184,556	1,645	212	2.60	1.226
Trenton.....	10,086	106,425.62	12,868,476	3,043	352	2.91	0.827
Walkerton.....	3,368	39,893.69	3,041,868	951	267	3.50	1.311
Wallaceburg.....	7,355	58,882.88	4,678,467	2,110	185	2.32	1.257
Weston.....	8,256	122,179.68	13,129,730	2,253	486	4.52	0.931
Whitby.....	7,619	80,196.38	6,948,226	1,525	380	4.38	1.154
Wingham.....	2,683	38,076.55	3,130,987	769	339	4.13	1.216

AND CONSUMPTION

Power service in Municipalities
1952—(Continued)

Population 2,000 or more—Concluded

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
21,365.85	1,305,421	188	579	9.47	1.637	22,818.22	28	787.0	1,254
13,787.24	748,149	96	649	11.97	1.844	367,347.04	23	12,063.5	1,432
34,063.48	2,507,682	247	846	11.49	1.358	115,774.40	60	5,017.4	2,406
15,593.65	912,395	128	594	10.15	1.709	47,577.32	22	1,372.1	910
40,879.53	2,870,207	272	879	12.52	1.424	36,505.82	46	1,315.4	3,702
17,668.57	999,972	161	518	9.15	1.767	13,375.65	21	449.6	839
39,219.01	2,213,445	241	765	13.56	1.772	23,736.32	31	906.4	1,405
31,958.36	1,932,622	237	680	11.24	1.654	36,892.16	43	1,342.0	1,860
57,758.57	4,419,150	324	1,137	14.86	1.307	332,820.21	76	11,521.6	2,836
13,556.95	892,602	114	652	9.91	1.520	3,367.97	13	131.4	1,034
60,276.33	3,263,673	332	819	15.13	1.847	79,538.88	88	3,264.2	2,498
26,846.54	1,691,040	227	621	9.86	1.588	9,585.22	33	502.8	1,236
17,059.07	1,390,296	210	552	6.77	1.226	37,010.80	33	1,753.2	1,683
36,434.50	1,649,819	249	552	12.19	2.208	14,509.08	22	460.8	1,652
17,824.44	1,163,684	156	622	9.52	1.532	25,411.91	21	898.3	1,238
30,556.74	2,034,404	240	706	10.61	1.502	26,074.17	33	1,117.0	1,735
19,655.29	1,084,600	183	494	8.95	1.812	24,703.72	59	698.5	1,183
31,620.73	2,580,326	266	808	9.91	1.225	18,110.70	41	864.3	1,668
57,618.68	3,572,308	427	697	11.24	1.613	58,275.87	53	1,944.8	3,644
23,117.90	1,512,057	152	829	12.67	1.529	20,486.32	22	647.7	1,338
10,032.37	706,913	86	685	9.72	1.419	9,750.25	12	427.0	1,042
13,138.68	927,719	178	434	6.15	1.417	8,769.59	22	367.6	1,233
35,666.37	2,362,576	263	748	11.30	1.510	86,266.53	45	2,805.3	2,269
25,912.45	1,297,230	190	569	11.36	1.997	19,965.49	26	868.8	1,216
34,451.61	2,278,533	254	748	11.30	1.511	126,194.75	68	5,300.2	2,447
30,615.70	1,941,978	299	541	8.53	1.576	69,523.22	63	2,531.4	2,290
14,547.77	865,785	120	601	10.10	1.680	5,154.96	20	308.0	837
16,889.16	1,005,938	174	482	8.09	1.678	8,821.96	27	392.4	947
20,224.19	1,316,327	146	751	11.54	1.536	19,574.93	17	627.2	3,122
25,105.57	1,129,648	207	455	10.11	2.222	40,089.54	44	1,242.2	1,490
20,144.18	997,138	123	676	13.65	2.019	16,406.51	20	678.2	788
57,270.47	4,729,097	480	821	9.94	1.211	60,867.91	77	2,413.0	2,669
22,177.83	801,500	114	586	16.21	2.767	9,364.61	12	210.2	823
51,912.49	3,732,124	357	871	12.12	1.391	46,627.09	52	1,851.9	2,976
27,182.87	1,631,061	228	596	9.94	1.668	28,877.00	42	1,112.6	1,433
34,329.19	1,250,223	181	576	15.80	2.746	4,605.44	17	296.3	1,281
31,597.92	2,043,060	147	1,158	17.91	1.547	41,591.17	28	1,470.6	2,677
27,360.48	669,071	88	634	12.92	2.040	9,410.72	8	272.8	1,096
22,438.09	1,770,838	194	761	9.64	1.267	135,336.15	37	4,328.6	1,965
16,586.66	1,002,825	164	510	8.43	1.654	29,123.04	24	1,297.7	996
46,588.10	3,122,883	352	739	11.03	1.493	43,346.32	51	1,606.4	2,048
41,821.40	3,534,610	322	915	10.82	1.183	119,120.36	64	3,994.0	3,429
27,360.48	1,415,923	185	638	12.32	1.932	16,768.56	21	530.5	1,157
42,961.25	3,018,224	362	695	9.89	1.423	218,164.50	76	7,652.2	2,548
49,789.65	3,610,680	279	1,078	14.87	1.379	117,297.56	56	4,115.1	2,588
31,738.22	1,914,543	211	756	12.53	1.658	35,329.89	41	1,217.7	1,777
20,968.44	1,101,056	167	549	10.46	1.904	26,161.56	29	743.2	965

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year
MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Agincourt.....	1,041	17,910.82	1,724,049	311	462	4.80	1.039
Ailsa Craig.....	510	6,203.30	464,183	178	217	2.90	1.336
Alvinston.....	678	5,533.17	259,980	251	86	1.84	2.140
Ancaster Twp.....	V.A.	41,317.72	2,956,949	621	397	5.54	1.395
Apple Hill.....	464	2,384.48	109,855	84	109	2.37	2.171
Arkona.....	342	5,828.95	374,064	140	223	3.47	1.556
Arthur.....	1,052	13,059.39	767,840	335	191	3.25	1.701
Athens.....	841	8,773.14	424,360	249	142	2.94	2.067
Ayr.....	910	12,072.43	902,319	283	266	3.55	1.335
Baden.....	744	9,594.14	742,650	200	309	4.00	1.294
Bancroft.....	1,379	14,315.27	540,258	349	129	3.42	2.650
Barry's Bay.....	1,349	11,003.12	246,476	267	77	3.43	4.464
Bath.....	414	6,340.71	284,042	142	167	3.72	2.232
Beachville.....	660	8,671.63	748,208	216	290	2.36	1.159
Beamsville.....	1,794	23,007.91	2,995,278	550	454	3.49	0.769
Beaverton.....	984	14,365.37	1,118,149	366	255	3.27	1.285
Beeton.....	606	6,956.00	414,121	187	185	3.10	1.680
Belle River.....	1,487	16,182.60	702,410	486	120	2.77	2.303
Bloomfield.....	659	6,283.32	502,958	215	195	2.44	1.249
Blyth.....	684	7,943.87	578,297	233	207	2.84	1.372
Bobcaygeon.....	1,151	18,359.89	735,394	450	136	3.40	2.497
Bolton.....	908	11,257.75	1,022,887	255	334	3.68	1.101
Bothwell.....	727	5,031.17	384,840	218	147	1.92	1.306
Bradford.....	1,646	20,042.32	1,441,359	435	276	3.84	1.391
Braeside.....	470	3,615.93	186,630	122	127	2.47	1.937
Brechin.....	270	2,209.41	119,291	62	160	2.97	1.852
Bridgeport.....	1,263	13,623.53	1,157,810	312	309	3.64	1.178
Brigden.....	435	3,381.87	197,440	141	117	2.00	1.713
Bronte.....	1,109	12,044.43	758,377	372	170	2.70	1.588
Brussels.....	842	10,753.80	780,660	285	228	3.14	1.377
Burford.....	915	13,408.56	1,154,382	307	313	3.64	1.163
Burgessville.....	216	3,337.70	222,325	70	265	3.97	1.498
Burks Falls.....	866	8,917.79	326,200	237	115	3.14	2.734
Cache Bay.....	864	6,296.68	150,406	184	68	2.85	4.186
Caledonia.....	1,700	15,247.69	1,092,938	545	167	2.33	1.395
Campbellville.....	260	3,602.38	242,650	67	302	4.48	1.485
Cannington.....	911	11,309.41	806,938	312	216	3.02	1.402
Cardinal.....	1,770	19,426.82	1,494,085	481	259	3.37	1.300
Chayuga.....	716	6,788.96	377,701	234	135	2.42	1.793
Chatsworth.....	403	4,589.61	352,240	127	231	3.01	1.303

AND CONSUMPTION

Power service in Municipalities
1952—(Continued)

Less than 2,000 population

COMMERCIAL LIGHT SERVICE						POWER SERVICE			
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	Total customers
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
5,777.30	288,907	44	547	10.94	2.000	8,631.55	8	233.5	363
2,778.60	112,774	42	224	5.51	2.460	2,681.21	4	96.8	224
4,605.65	192,122	61	262	6.29	2.401	2,113.62	7	64.6	319
9,068.57	361,386	45	669	16.79	2.510	2,010.29	6	77.3	672
1,063.39	52,800	21	209	4.22	2.014	339.08	1	16.5	106
2,979.61	113,745	40	237	6.21	2.620	1,455.24	3	35.5	183
9,899.35	345,560	91	316	9.07	2.865	4,029.58	12	134.1	438
4,337.45	183,128	53	288	6.82	2.368	955.87	2	40.0	304
5,380.99	285,272	51	466	8.79	1.886	3,618.93	7	123.0	341
3,552.01	212,885	33	538	8.97	1.667	11,229.76	3	396.3	236
11,562.53	348,476	101	288	9.54	3.318	3,445.90	6	109.6	456
5,920.90	152,209	60	211	8.22	3.890	356.41	2	10.2	329
2,049.40	58,669	20	244	8.54	3.493	295.38	1	21.2	163
1,425.38	76,865	30	214	3.96	1.851	28,863.99	3	858.5	249
8,016.07	560,633	95	492	7.03	1.429	3,662.20	11	167.7	656
6,866.63	379,197	93	340	6.15	1.811	4,670.28	8	289.2	467
4,759.29	199,625	43	387	9.22	2.384	941.93	7	31.5	237
9,612.00	460,747	79	486	10.14	2.086	2,952.74	6	74.7	571
4,909.27	247,217	46	448	8.89	1.986	2,592.27	7	86.3	268
4,450.36	268,316	62	361	5.98	1.657	6,705.24	5	155.0	300
10,781.42	324,745	100	270	8.98	3.320	711.59	2	14.8	552
5,242.72	350,660	56	522	7.80	1.495	3,551.61	15	143.8	326
4,496.22	301,120	66	380	5.68	1.495	2,366.92	8	109.6	292
17,224.84	748,652	104	600	13.80	2.301	17,537.78	25	526.4	564
791.87	27,922	11	211	6.00	2.836	5,973.25	3	187.7	136
1,763.97	68,944	22	261	6.68	2.559	786.84	1	26.1	85
4,253.18	244,548	29	703	12.22	1.738	2,373.21	6	94.0	347
2,877.10	126,050	46	228	5.21	2.283	4,531.10	6	130.6	193
4,433.11	205,969	53	324	6.97	2.152	1,886.70	8	133.9	433
5,367.26	311,160	72	360	6.21	1.725	4,772.90	9	132.9	366
4,936.40	280,431	58	403	7.09	1.759	3,602.51	7	158.7	372
1,258.44	62,275	21	247	4.99	2.020	1,579.70	3	60.2	94
8,871.82	265,280	63	351	11.74	3.344	850.36	3	23.6	303
2,543.60	50,668	22	192	9.63	5.020	16,253.22	2	385.5	208
11,200.19	734,853	118	519	7.91	1.524	7,170.53	13	287.0	676
742.04	30,490	12	212	5.15	2.434	407.12	1	7.2	80
5,650.02	247,624	78	265	6.04	2.282	4,129.13	11	165.7	401
6,094.29	304,645	65	390	7.81	2.000	931.18	3	26.4	549
7,361.91	352,701	85	346	7.22	2.087	4,444.09	9	167.3	328
4,210.45	211,187	44	400	7.97	1.994	1,122.29	1	31.4	172

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year

MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Chesley.....	1,676	21,320.49	1,731,438	550	262	3.23	1.231
Chesterville.....	1,179	9,977.17	935,752	310	251	2.68	1.066
Chippawa.....	1,720	19,309.52	1,914,426	506	315	3.18	1.009
Clifford.....	479	6,649.08	486,297	154	263	3.60	1.369
Cobden.....	814	7,443.14	585,894	255	191	2.43	1.270
Colborne.....	1,139	15,959.22	1,285,621	374	286	3.56	1.241
Coldwater.....	620	7,249.38	545,400	187	243	3.23	1.329
Comber.....	545	4,220.07	240,850	162	124	2.17	1.752
Cookstown.....	461	5,531.81	339,545	154	184	2.99	1.629
Cottam.....	564	5,479.03	370,460	176	175	2.59	1.480
Courtright.....	571	3,787.29	194,929	151	108	2.09	1.943
Creemore.....	738	8,045.94	580,820	236	205	2.84	1.385
Dashwood.....	403	6,411.44	383,321	130	246	4.11	1.671
Delaware.....	292	4,829.89	414,418	99	349	4.07	1.166
Deseronto.....	1,570	19,609.90	1,231,790	508	202	3.22	1.592
Dorchester.....	557	6,772.20	531,792	211	210	2.68	1.273
Drayton.....	538	7,807.38	412,754	195	176	3.34	1.898
Drumbo.....	308	4,991.79	348,159	122	238	3.41	1.433
Dublin.....	240	3,214.07	217,970	72	252	3.72	1.476
Dundalk.....	784	7,847.52	559,625	264	177	2.48	1.402
Durham.....	1,852	19,890.87	1,420,337	583	203	2.84	1.400
Dutton.....	820	5,614.16	397,977	253	131	1.85	1.411
Eganville.....	1,311	14,863.79	563,543	349	135	3.55	2.637
Elmvale.....	861	9,100.42	737,526	247	249	3.07	1.234
Elmwood.....	V.A.	2,735.83	169,990	100	142	2.28	1.609
Elora.....	1,360	17,233.30	1,252,924	422	247	3.40	1.377
Embro.....	459	8,288.81	629,703	158	332	4.37	1.316
Erieau.....	402	8,939.84	578,570	269	179	2.77	1.545
Erie Beach.....	59	3,010.72	75,680	123	51	2.04	3.978
Erin.....	669	10,719.42	519,495	248	175	3.60	2.063
Finch.....	380	4,716.28	344,260	127	226	3.09	1.370
Flesherton.....	454	4,774.75	342,380	152	188	2.62	1.395
Fonthill.....	1,532	20,888.50	1,969,575	445	369	3.91	1.060
Forest.....	1,800	27,917.79	2,203,760	617	298	3.77	1.265
Frankford.....	1,435	17,010.50	908,593	369	205	3.84	1.872
Glencoe.....	1,006	7,483.76	425,527	313	113	1.99	1.761
Grand Valley.....	632	7,851.17	570,410	240	198	2.73	1.376
Granton.....	277	4,132.69	229,562	90	213	3.83	1.798
Hagersville.....	1,718	14,160.15	1,022,910	501	170	2.36	1.388
Harriston.....	1,509	18,436.56	1,499,022	455	275	3.38	1.229

AND CONSUMPTION

Power service in Municipalities

1952—(Continued)

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
9,408.14	536,545	99	451	7.92	1.753	12,385.06	27	475.5	676
6,839.03	409,926	74	462	7.70	1.668	14,150.85	6	454.6	390
4,883.66	313,198	56	466	7.27	1.560	1,100.64	3	82.0	565
4,530.48	220,210	43	427	8.78	2.056	1,293.47	4	31.7	201
5,257.31	233,813	72	271	6.08	2.248	5,931.90	8	158.2	335
8,593.54	371,503	84	369	8.53	2.313	2,390.01	8	68.2	466
3,873.03	191,910	55	291	5.87	2.018	2,362.72	3	80.9	245
3,995.41	175,112	58	252	5.74	2.282	5,393.39	9	177.3	229
3,131.66	97,383	38	214	6.87	3.216	1,645.86	3	58.0	195
2,635.13	131,989	35	314	6.27	1.997	1,379.83	7	57.8	218
2,252.49	92,273	28	275	6.70	2.441	646.14	1	9.3	180
4,009.53	179,181	58	257	5.76	2.238	1,602.42	4	75.2	298
2,563.67	101,615	31	273	6.89	2.524	2,031.80	3	76.0	164
2,138.20	99,992	18	463	9.90	2.138				117
7,036.07	277,045	58	398	10.11	2.540	11,438.67	16	325.0	582
1,820.08	84,267	35	201	4.34	2.160	2,253.67	3	88.5	249
4,311.08	138,305	57	202	6.30	3.119	2,064.34	5	85.9	257
2,435.37	103,104	33	260	6.15	2.365	1,473.60	2	49.1	157
2,023.19	94,734	33	239	5.11	2.138	2,012.41	2	65.5	107
6,096.61	264,648	83	266	6.12	2.304	4,717.52	9	203.1	356
15,137.68	767,484	127	504	9.93	1.972	7,427.44	17	227.6	727
4,030.69	236,403	68	290	4.94	1.705	4,324.37	11	153.9	332
10,825.39	340,843	85	334	10.61	3.176	3,279.47	9	78.0	443
5,373.83	326,800	73	373	6.13	1.644	5,192.42	10	174.5	330
1,859.64	74,423	21	295	7.38	2.499	4,261.52	3	108.4	124
7,283.05	366,190	73	418	8.31	1.988	10,703.34	8	391.1	503
2,209.64	105,588	43	205	4.28	2.088	3,233.14	4	76.8	205
4,004.54	213,060	25	710	13.35	1.880	5,455.09	4	122.4	298
222.22	6,770	4	141	4.63	3.282				127
6,349.63	199,445	64	260	8.27	3.184	662.07	2	14.6	314
2,660.44	101,662	32	265	6.93	2.617	2,361.26	6	55.5	165
3,822.18	186,828	55	283	5.79	2.046	999.77	2	36.5	209
4,579.58	273,682	57	400	6.70	1.675	2,931.76	7	104.1	509
15,726.24	749,465	144	434	9.10	2.097	9,605.46	20	328.9	781
7,226.97	264,649	75	294	8.03	2.731	1,328.46	5	59.7	449
10,343.36	498,771	98	424	8.80	2.075	3,151.59	11	141.8	422
3,674.43	173,690	63	230	4.86	2.116	4,070.58	11	155.7	314
1,113.72	29,190	28	87	3.31	3.805	178.57	1	7.4	119
12,967.02	775,353	142	455	7.61	1.673	31,380.54	23	1,214.5	666
10,767.69	552,001	116	397	7.74	1.950	14,881.64	16	475.5	587

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year
MUNICIPALITIES

MUNICIPALITY	Popu- lation	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Harrow.....	1,713	27,526.00	2,051,319	477	358	4.81	1.342
Hastings.....	782	9,273.67	535,743	329	136	2.35	1.731
Havelock.....	1,257	12,488.51	625,110	340	153	3.06	1.998
Hensall.....	727	10,280.87	796,250	240	276	3.57	1.293
Highgate.....	382	2,778.39	152,640	119	107	1.95	1.822
Holstein.....	180	2,229.29	154,600	74	174	2.51	1.442
Iroquois.....	1,049	14,479.20	1,211,500	359	281	3.36	1.195
Jarvis.....	651	4,508.06	286,810	192	124	1.96	1.581
Kemptville.....	1,513	21,476.53	1,772,604	498	297	3.59	1.212
Kirkfield.....	218	2,235.76	94,835	64	123	2.91	2.358
Lakefield.....	1,792	18,608.24	1,598,051	503	265	3.08	1.164
Lambeth.....	1,210	23,831.25	1,678,199	389	360	5.11	1.419
Lanark.....	806	6,879.92	363,608	236	128	2.43	1.892
Lancaster.....	574	4,440.20	281,841	146	161	2.53	1.575
Larder Lake Twp.....	V.A.	21,841.20	1,021,505	416	205	4.38	2.138
La Salle.....	1,985	34,135.22	2,057,080	530	323	5.36	1.659
Latchford.....	520	3,575.50	95,301	114	70	2.61	3.752
Lucan.....	854	12,426.70	1,001,211	255	327	4.06	1.242
Lucknow.....	870	10,926.69	845,179	344	205	2.65	1.293
Lynden.....	435	6,026.56	487,931	134	303	3.75	1.238
Madoc.....	1,291	14,827.87	989,170	401	206	3.08	1.499
Magnetawan.....	215	3,046.02	63,590	62	85	4.09	4.790
Markdale.....	985	8,413.51	773,762	271	238	2.59	1.087
Markham.....	1,787	23,828.53	1,984,725	521	317	3.81	1.201
Marmora.....	1,154	10,725.59	657,178	323	170	2.77	1.632
Martintown.....	125	2,310.62	161,540	75	179	2.57	1.430
Maxville.....	723	6,825.43	488,607	206	198	2.76	1.397
Merlin.....	673	4,502.45	274,672	156	147	2.41	1.639
Merrickville.....	965	10,352.04	487,920	268	152	3.22	2.122
Mildmay.....	886	8,753.18	725,353	241	251	3.03	1.207
Millbrook.....	720	10,307.81	634,285	247	214	3.49	1.625
Milverton.....	1,068	13,946.12	1,011,882	324	260	3.59	1.381
Mitchell.....	1,972	32,454.79	2,465,059	640	321	4.26	1.327
Moorefield.....	281	2,871.47	188,807	86	183	2.78	1.519
Morrisburg.....	1,858	20,571.39	1,787,295	535	278	3.20	1.151
Mount Brydges.....	666	5,775.12	488,933	221	184	2.18	1.185
Neustadt.....	455	4,152.38	255,079	151	141	2.29	1.628
Newboro.....	305	3,798.26	128,757	88	122	3.60	2.950
Newburgh.....	435	5,161.85	262,230	132	166	3.26	1.968
Newbury.....	299	3,463.35	207,760	99	175	2.92	1.669

AND CONSUMPTION

Power service in Municipalities
1952—(Continued)

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
15,795.93	732,075	120	508	10.97	2.158	9,221.77	8	301.0	605
6,152.60	231,177	68	283	7.54	2.661	426.38	3	14.6	400
7,581.50	288,320	68	353	9.29	2.630	2,054.02	2	51.9	410
6,222.80	269,950	65	346	7.98	2.306	7,940.21	20	328.0	325
1,662.01	81,620	30	227	4.62	2.035	2,810.44	7	98.1	156
512.91	23,620	16	123	2.67	2.172	778.30	1	14.1	91
5,443.05	357,929	66	452	6.87	1.521	2,444.09	7	79.6	432
4,307.27	245,790	50	410	7.18	1.751	4,626.77	6	130.7	248
10,004.85	498,888	92	452	9.06	2.005	17,997.39	13	628.5	603
1,920.53	50,255	27	155	5.92	3.822				91
13,452.22	810,025	103	655	10.88	1.661	17,559.21	10	645.5	616
2,785.11	129,427	32	337	7.25	2.151	2,004.29	6	42.5	427
4,639.13	203,699	48	354	8.05	2.277	1,077.22	1	21.7	285
2,991.21	140,800	32	367	7.79	2.124				178
8,175.11	595,147	76	653	8.96	1.374	1,340.41	5	29.7	497
7,981.61	307,453	46	557	14.46	2.596	1,037.73	4	29.0	580
2,880.23	70,216	25	234	9.60	4.102	941.39	2	28.4	141
6,216.11	331,221	62	445	8.35	1.876	2,181.10	5	88.0	322
5,985.16	297,823	106	234	4.71	2.010	7,711.67	10	212.6	460
1,140.19	52,076	16	271	5.94	2.192	2,229.73	3	91.0	153
11,682.63	619,850	115	449	8.47	1.885	10,638.14	10	291.7	526
2,376.79	46,326	20	193	9.90	5.131	43.97	1	2.0	83
6,956.24	436,691	90	404	6.44	1.593	1,466.26	7	61.9	368
7,762.03	500,332	88	474	7.35	1.551	5,385.43	13	219.9	622
8,047.61	374,952	64	488	10.48	2.146	1,505.56	2	50.2	389
1,827.69	74,400	25	248	6.09	2.457				100
4,861.62	190,983	51	312	7.94	2.545	1,178.05	1	52.1	258
4,480.08	212,494	59	300	6.33	2.108	2,046.69	4	65.3	219
4,611.57	324,127	53	510	7.25	1.423	6,116.26	10	186.8	331
5,457.71	258,759	66	327	6.89	2.109	1,877.04	7	49.6	314
5,021.41	140,120	68	173	6.15	3.584	757.66	2	13.4	317
8,407.68	360,566	86	349	8.15	2.335	9,922.55	16	382.9	426
15,221.31	796,448	130	511	9.76	1.910	17,731.59	27	536.2	797
2,030.40	92,105	37	207	4.57	2.208	1,376.92	2	40.4	125
13,758.39	707,826	144	410	7.96	1.944	9,542.37	30	341.8	709
1,755.34	114,574	50	191	2.93	1.534	2,053.37	4	86.3	275
2,655.51	133,879	36	310	6.15	1.984	1,992.67	3	54.9	190
1,617.93	44,490	16	232	8.43	3.637				104
2,975.89	100,891	25	336	9.92	2.950	1,333.87	3	35.6	160
1,328.59	56,846	22	215	5.03	2.340	199.27	1	11.0	122

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year
MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Newcastle.....	959	11,970.04	979,914	300	272	3.33	1.222
New Hamburg.....	1,759	22,475.71	1,861,081	476	326	3.93	1.206
Nipigon Twp.....	V.A.	17,630.11	1,413,900	428	275	3.43	1.246
Norwich.....	1,419	19,422.58	1,909,032	464	343	3.49	1.017
Norwood.....	1,002	11,031.44	755,398	283	222	3.25	1.460
Oil Springs.....	477	3,671.36	264,068	134	164	2.28	1.390
Omeme.....	762	8,010.36	535,650	227	197	2.94	1.495
Orono.....	594	10,620.15	631,788	245	215	3.61	1.681
Otterville.....	600	6,954.77	600,912	201	249	2.88	1.157
Paisley.....	728	8,785.63	554,950	251	184	2.92	1.583
Palmerston.....	1,614	21,231.98	1,883,130	486	323	3.64	1.127
Parkhill.....	976	15,069.14	1,132,364	359	263	3.50	1.331
Plattsville.....	416	6,669.10	440,357	144	255	3.86	1.514
Point Edward.....	1,955	20,798.55	1,247,080	516	201	3.36	1.668
Port Elgin.....	1,595	29,869.65	1,902,936	685	232	3.63	1.569
Port McNicoll.....	831	9,575.25	545,280	350	130	2.28	1.756
Port Perry.....	1,817	25,224.66	1,594,706	537	248	3.91	1.582
Port Rowan.....	792	6,065.92	306,750	256	100	1.97	1.974
Port Stanley.....	1,383	30,330.90	2,342,672	1,041	186	2.43	1.304
Priceville.....	151	1,630.66	50,064	53	79	2.56	3.257
Princeton.....	350	5,334.69	412,010	120	286	3.70	1.294
Queenston.....	331	6,152.21	653,568	112	486	4.58	.942
Red Rock Imp. Dist.....	1,791	12,205.15	944,680	201	392	5.06	1.291
Richmond.....	603	7,564.30	555,524	168	275	3.75	1.362
Ripley.....	457	6,711.34	392,928	151	217	3.70	1.708
Rockwood.....	701	9,878.14	745,510	220	282	3.74	1.326
Rodney.....	940	6,809.35	523,272	326	134	1.74	1.301
Rosseau.....	207	2,660.94	78,850	87	76	2.55	3.375
Russell.....	475	6,477.44	331,995	153	181	3.53	1.951
St. Clair Beach.....	561	9,208.80	585,690	188	260	4.08	1.572
St. George.....	646	5,896.15	483,241	199	202	2.47	1.223
St. Jacobs.....	701	8,392.25	732,665	175	349	4.00	1.146
Schreiber Twp.....	V.A.	26,220.15	1,213,729	435	232	5.02	2.160
Shelburne.....	1,292	14,040.77	1,064,970	401	221	2.92	1.318
Smithville.....	725	6,649.83	496,370	228	181	2.43	1.342
Southampton.....	1,744	23,887.35	1,716,648	805	178	2.47	1.392
Springfield.....	531	4,816.12	334,136	137	203	2.93	1.441
Stayner.....	1,273	15,352.35	1,219,423	401	253	3.19	1.259
Stirling.....	1,163	15,416.49	1,474,456	354	347	3.63	1.046
Stoney Creek.....	1,850	31,578.63	2,756,223	623	369	4.22	1.144

AND CONSUMPTION

Power service in Municipalities

1952—(Continued)

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
5,628.83	337,550	48	586	9.77	1.667	8,397.00	10	246.4	358
11,537.63	622,821	118	440	8.15	1.852	13,031.01	19	456.8	613
16,251.14	1,124,965	101	928	13.41	1.444	1,711.49	4	61.2	533
9,922.81	545,606	97	469	8.52	1.819	3,577.94	11	154.9	572
6,730.82	276,287	73	315	7.69	2.436	5,232.47	5	168.2	361
2,078.76	84,769	40	177	4.33	2.446	5,731.04	33	127.5	207
3,582.18	139,390	40	290	7.46	2.570	1,801.41	6	49.6	273
3,599.48	117,956	43	229	6.98	3.052	559.69	3	52.4	291
3,138.72	183,550	52	294	5.03	1.711	880.38	9	42.0	262
5,371.17	210,645	65	270	6.89	2.550	2,430.16	7	67.1	323
10,962.24	596,663	100	497	9.14	1.839	11,401.60	21	555.1	607
8,737.50	408,267	92	370	7.91	2.138	5,971.34	12	165.2	463
3,744.77	174,061	31	468	10.07	2.152	3,911.87	2	143.9	177
8,379.61	318,080	58	457	12.04	2.634	106,314.79	14	2,774.0	588
15,200.74	683,185	151	377	8.39	2.225	7,344.87	12	240.2	848
2,090.47	85,710	32	223	5.44	2.439	39,927.45	2	1,093.0	384
10,953.77	498,456	114	358	7.87	2.198	3,783.11	10	123.6	661
5,952.57	292,129	64	380	7.75	2.039	1,063.72	5	46.5	325
11,016.70	668,422	119	468	7.71	1.648	12,558.48	16	609.2	1,176
1,039.81	35,359	12	246	7.22	2.941				65
1,696.83	83,510	26	268	5.44	2.030	1,876.73	5	61.3	151
3,803.31	255,672	18	1,184	17.61	1.487				130
8,527.21	478,100	23	1,732	30.89	1.783	637.35	2	15.6	226
3,405.49	149,730	27	462	10.51	2.274	274.57	1	20.7	196
3,578.48	90,378	55	137	5.42	3.959	2,697.83	3	72.1	209
3,162.46	169,844	40	354	6.59	1.862	72.00	2	3.0	262
4,471.74	240,417	78	257	4.78	1.860	3,924.03	9	155.1	413
2,169.66	65,156	17	319	10.64	3.330				104
3,351.08	114,899	35	274	7.98	2.916	376.93	2	7.3	190
3,623.54	177,510	16	924	18.87	2.041	247.58	1	7.4	205
4,064.94	249,286	46	452	7.36	1.628	4,080.58	5	135.0	250
3,561.18	190,060	39	406	7.61	1.874	4,378.52	8	151.4	222
11,205.08	477,833	48	829	19.45	2.344	6,111.78	2	130.8	485
9,315.48	465,770	100	388	7.76	2.000	5,258.34	13	224.7	514
4,982.12	272,437	77	295	5.39	1.827	11,192.47	10	390.4	315
10,743.74	454,061	98	386	9.14	2.367	15,107.42	14	449.0	917
1,758.08	83,762	33	212	4.44	2.099	1,946.08	4	62.6	174
7,722.33	395,077	104	317	6.19	1.955	4,554.04	20	202.1	525
8,200.27	454,117	87	435	7.85	1.806	3,501.77	14	150.0	455
13,064.24	689,728	96	599	11.34	1.893	6,077.90	14	156.4	733

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year
MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Stouffville.....	1,788	20,139.89	2,117,127	569	310	2.95	0.951
Streetsville.....	1,169	17,225.93	1,472,248	346	355	4.15	1.170
Sunderland.....	550	7,403.04	497,629	187	222	3.30	1.488
*Sundridge.....	640	3,123.36	77,806	190			
Sutton.....	1,228	17,951.16	1,260,476	617	170	2.42	1.424
Tara.....	490	6,374.88	416,505	180	193	2.95	1.531
Tavistock.....	1,134	14,504.22	1,466,155	347	352	3.48	0.989
Teeswater.....	850	9,080.14	644,527	274	196	2.70	1.409
Terrace Bay Imp. Dist.....	1,433	27,596.10	2,616,850	324	673	7.09	1.054
Thamesford.....	550	9,682.20	758,510	187	338	4.32	1.276
Thamesville.....	950	9,170.27	549,948	306	150	2.50	1.667
Thedford.....	604	7,239.72	450,685	212	177	2.85	1.610
Thornbury.....	1,013	14,027.68	796,160	355	187	3.29	1.762
Thorndale.....	310	5,296.10	322,281	97	277	4.55	1.643
Thornton.....	196	2,345.66	116,885	76	128	2.57	2.007
Tottenham.....	594	7,686.32	555,730	192	241	3.34	1.383
Trafalgar Twp.....	V.A.	99,724.48	6,428,282	1,372	390	6.06	1.551
Tweed.....	1,557	17,741.42	1,253,649	448	233	3.30	1.415
Uxbridge.....	1,841	24,131.66	1,809,859	581	260	3.46	1.333
Victoria Harbour.....	969	8,121.95	440,260	344	107	1.97	1.844
Wardville.....	287	3,717.56	261,330	95	229	3.26	1.424
Warkworth.....	510	6,194.87	381,850	170	187	3.04	1.622
Waterdown.....	1,491	20,704.27	1,854,400	401	385	4.30	1.117
Waterford.....	1,695	16,061.51	1,322,985	550	200	2.43	1.215
Watford.....	1,200	16,348.16	1,200,435	370	270	3.68	1.363
Waubashene.....	V.A.	6,865.29	411,790	322	107	1.78	1.667
Wellesley.....	608	7,329.85	507,370	173	244	3.53	1.447
Wellington.....	986	10,904.15	875,106	400	182	2.27	1.246
West Lorne.....	1,038	9,214.02	694,127	295	196	2.60	1.327
Westport.....	718	7,602.25	464,680	200	194	3.17	1.636
Wheatley.....	1,047	9,869.89	680,880	309	184	2.66	1.450
Warton.....	1,916	17,776.06	1,459,910	570	213	2.60	1.218
Williamsburg.....	269	2,678.79	279,720	96	243	2.32	0.958
Winchester.....	1,198	13,235.90	1,172,246	368	265	3.00	1.129
Windermere.....	124	3,663.71	129,950	91	119	3.36	2.819
Woodbridge.....	1,799	21,703.15	1,967,892	465	353	3.89	1.103
Woodville.....	385	4,460.13	284,667	132	180	2.82	1.567
Wyoming.....	777	5,952.23	324,109	217	124	2.29	1.847
Zurich.....	534	8,362.90	498,335	203	205	3.43	1.690

*6 months' operation.

AND CONSUMPTION

Power service in Municipalities

1952—(Concluded)

Less than 2,000 population—Concluded

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
10,463.32	695,650	103	563	8.47	1.504	8,560.49	11	374.6	683
6,146.87	447,698	64	583	8.00	1.373	17,159.58	14	618.6	424
3,898.98	157,769	46	286	7.06	2.471	3,437.63	3	92.3	236
3,306.65	70,130	51	.....	.....	.....	268.77	1	5.9	242
13,565.72	722,143	136	442	8.31	1.879	4,317.41	9	114.5	762
3,869.57	164,040	52	263	6.20	2.359	2,361.94	7	65.5	239
7,467.77	455,194	108	351	5.76	1.641	10,455.39	10	381.0	465
5,022.24	238,568	70	284	5.98	2.101	6,607.33	11	205.3	355
14,451.39	773,779	31	2,080	38.84	1.867	6,940.64	1	134.0	356
4,177.69	225,184	52	361	6.70	1.855	3,020.43	5	105.8	244
8,442.29	464,151	100	387	7.04	1.819	8,769.76	14	280.0	420
5,905.68	260,848	66	329	7.46	2.267	2,629.62	5	67.2	283
6,481.12	263,860	89	247	6.07	2.456	5,877.30	14	244.2	458
1,815.74	57,170	25	191	6.05	3.168	3,032.39	3	72.7	125
872.01	39,366	13	252	5.59	2.215	84.86	1	6.9	90
3,150.29	137,023	53	215	4.95	2.299	1,902.45	8	56.6	253
12,016.00	444,026	88	420	11.38	2.706	12,644.95	16	320.0	1,476
10,961.55	451,495	98	383	9.32	2.428	12,558.64	20	349.0	566
10,410.86	451,315	128	294	6.78	2.307	9,177.98	20	367.6	729
2,122.91	96,020	38	211	4.68	2.211	296.75	1	6.3	383
2,718.01	151,900	25	506	9.06	1.791	57.44	1	2.2	121
2,982.04	87,424	55	132	4.51	3.411	948.34	2	20.3	227
5,250.14	292,630	55	443	7.95	1.795	2,605.68	10	120.8	466
7,341.39	503,145	86	488	7.11	1.457	5,778.61	13	254.1	649
9,810.45	457,413	93	410	8.79	2.144	11,356.67	10	435.8	473
2,477.48	121,140	35	288	5.90	2.045	923.40	3	26.7	360
3,730.01	204,664	54	316	5.76	1.823	2,189.34	7	75.3	234
5,062.67	270,976	83	272	5.08	1.868	6,529.80	13	269.5	496
8,015.69	411,696	83	413	8.05	1.947	20,350.48	16	593.0	394
7,067.50	298,360	62	401	9.50	2.369	.....	.....	.....	262
11,264.80	594,570	93	533	10.09	1.895	9,714.78	14	361.3	416
15,658.53	882,512	134	549	9.74	1.774	12,161.54	23	315.3	727
2,802.45	192,430	38	422	6.15	1.456	1,085.96	2	38.9	136
9,411.18	571,883	93	512	8.43	1.646	7,899.72	5	273.1	466
2,650.84	93,619	14	557	15.78	2.832	1,258.20	2	38.5	107
10,450.75	529,348	82	538	10.62	1.974	34,439.12	15	1,253.6	562
2,044.10	71,337	32	186	5.32	2.866	878.23	2	33.5	166
3,525.72	217,841	45	403	6.53	1.620	5,632.97	5	165.9	267
5,917.17	220,847	51	361	9.67	2.679	600.52	2	19.4	256

APPENDIX I—OPERATIONS

Output and Loads—Dependable Peak Capacity and Actual Station Output—Loads of Municipal Systems

The tables in Appendix I are supplementary to the descriptive information on the year's operations given in Section I.

The first two pages of tables give for each system and in total the dependable peak capacity of resources generated and purchased, the primary peak load carried and primary power demands, the energy provided by sources of generated and purchased power, and the energy delivered in wholesale quantities to three classes of customers.

Following these tables are details of the dependable peak capacity and output of each of the Commission's generating stations and of the sources of purchased power. The dependable peak capacity of a source of generation is the net output of power, subject to periodic change as equipment and water conditions vary, which the source is expected to be able to supply at the time of the system's primary peak demand. For Commission-owned or -operated generating stations, it is presumed that all units are available and that the supply of water is normal. Contractual stipulations govern the capacities of sources of purchased power.

The table entitled Loads of Systems in Municipalities Groups 1 and 3 records the date of first delivery of power by the Commission, frequency, December peak load, and annual energy consumption for each municipality in these two groups.

Statistics of peak loads and capacities are given, as elsewhere in the Report, in kilowatts rather than in horsepower. In order to convert the figures given to horsepower, it may be assumed that 1 horsepower is equivalent to approximately .746 kilowatts.

RESOURCES GENERATED AND PURCHASED

	December Dependable peak capacity		
	1951 kw	1952 kw	Increase kw
SOUTHERN ONTARIO SYSTEM			
Commission's generating stations			
hydro-electric	1,484,150	1,659,150	175,000
fuel-electric	202,000	444,000	242,000
Power purchased	703,100	687,100	16,000
Total resources	2,389,250	2,790,250	401,000
NORTHERN ONTARIO PROPERTIES			
NORTHEASTERN DIVISION			
Commission's generating stations			
hydro-electric	294,600	301,600	7,000
fuel-electric	300	300	
Power purchased			
Total resources	294,900	301,900	7,000
NORTHWESTERN DIVISION			
Commission's generating stations			
hydro-electric	256,500	259,800	3,300
fuel-electric	1,100	1,400	300
Power purchased			
Total resources	257,600	261,200	3,600

PRIMARY LOADS CARRIED AND DEMANDS FOR PRIMARY POWER

At the time of the December potential primary peak demand

	1951 kw	1952 kw	Increase kw
SOUTHERN ONTARIO SYSTEM			
Primary load carried	2,283,654	2,765,086	481,432
Primary load cut	262,100	900	261,200
Primary demand	2,545,754	2,765,986	220,232
Estimated effect of voluntary curtailment in the supply of power to municipal and rural customers	84,246		84,246
Potential primary peak demand	2,630,000	2,765,986	135,986
NORTHERN ONTARIO PROPERTIES			
NORTHEASTERN DIVISION			
Primary load carried	266,078	283,958	17,880
Primary load cut			
Primary demand	266,078	283,958	17,880
NORTHWESTERN DIVISION			
Primary load carried	212,988	228,352	15,364
Primary load cut			
Primary demand	212,988	228,352	15,364

ENERGY PROVIDED BY SOURCES OF GENERATED AND PURCHASED POWER

	1951	1952	Increase
SOUTHERN ONTARIO SYSTEM	kwh	kwh	per cent
Primary	14,497,779,269	15,453,074,572	6.6
Secondary	788,612,500	795,635,500	0.9
Total primary and secondary	15,286,391,769	16,248,710,072	6.3
NORTHERN ONTARIO PROPERTIES			
NORTHEASTERN DIVISION			
Primary	1,631,055,858	1,830,487,160	12.2
Secondary	151,076,285	120,004,190	20.6
Total primary and secondary	1,782,132,143	1,950,491,350	9.4
NORTHWESTERN DIVISION			
Primary	1,415,524,972	1,491,041,854	5.3
Secondary	327,403,172	284,184,726	13.2
Total primary and secondary	1,742,928,144	1,775,226,580	1.9

ENERGY DELIVERED IN WHOLESALE QUANTITIES

	1951	1952	Increase
SOUTHERN ONTARIO SYSTEM	kwh	kwh	per cent
Primary			
Municipalities*	7,713,325,160	8,373,852,816	8.6
Direct Industrial Customers	4,095,512,238	4,260,305,014	4.0
Rural Power District**	1,039,648,198	1,169,903,858	12.5
Total	12,848,485,596	13,804,061,688	7.4
Secondary	750,783,500	763,157,300	1.6
Total primary and secondary	13,599,269,096	14,567,218,988	7.1
NORTHERN ONTARIO PROPERTIES			
NORTHEASTERN DIVISION			
Primary			
Municipalities*	213,785,924	238,438,530	11.5
Direct Industrial Customers	1,152,575,187	1,267,277,751	10.0
Rural Power District**	48,445,487	66,094,564	36.4
Total	1,414,806,598	1,571,810,845	11.1
Secondary	143,236,690	108,126,575	24.5
Total primary and secondary	1,558,043,288	1,679,937,420	7.8
NORTHWESTERN DIVISION			
Primary			
Municipalities*	304,290,065	340,009,721	11.7
Direct Industrial Customers	998,657,491	1,021,199,694	2.3
Rural Power District**	14,272,306	19,791,741	38.7
Total	1,317,219,862	1,381,001,156	4.8
Secondary	300,072,937	259,538,386	13.5
Total primary and secondary	1,617,292,799	1,640,539,542	1.4

*Groups 1, 2, and 3 see page 30.

**Municipalities, group 4 see page 30.

DEPENDABLE PEAK CAPACITY, ACTUAL STATION PEAK OUTPUT
IN DECEMBER 1952, AND TOTAL ENERGY OUTPUT
DURING 1952

		Dependable 20-min peak capacity	Actual 20-min peak output (net)	Total energy output (net)
SOUTHERN ONTARIO SYSTEM				
River	Hydro-Electric Generating Stations	kw	kw	kwh
Niagara	*Sir Adam Beck-Niagara No. 1.....	317,000	390,000	2,755,519,000
	*Ontario Power.....	135,000	139,000	1,166,132,100
	*Toronto Power.....	108,000	108,000	896,304,300
Welland Canal	*DeCew Falls.....	122,000	123,000	862,522,300
	DeCew Falls.....	28,000	34,000	204,430,800
Muskoka	Ragged Rapids.....	7,500	7,500	42,724,280
	Big Eddy.....	7,100	7,350	40,064,200
	Bala No. 1 and 2.....	350	270	2,147,600
South Muskoka	South Falls.....	4,200	4,300	26,736,645
	Trethewey Falls.....	1,600	1,700	10,502,400
	Hanna Chute.....	1,200	1,300	8,210,500
Beaver	Eugenia.....	5,400	5,160	23,602,000
Severn	Big Chute.....	4,300	4,500	25,903,000
Saugeen	Wasdell Falls.....	750	880	3,292,720
	Walkerton.....	350	355	2,142,300
	Hanover.....	250	295	1,496,064
Magnetawan	Burks Falls.....	250	145	359,000
Trent	Heely Falls.....	11,150	12,300	71,574,080
	Ranney Falls.....	8,350	8,705	50,133,280
	Meyersburg.....	5,100	5,925	34,554,490
	Sidney.....	3,350	3,600	20,631,600
	Hagues Reach.....	3,250	3,725	19,742,480
	Seymour.....	2,950	3,175	18,392,160
	Frankford.....	2,550	2,900	15,259,200
	Sills Island.....	1,550	1,635	10,003,520
	Auburn.....	1,750	1,875	11,373,580
	Lakefield.....	1,650	1,755	7,783,770
Otonabee	Fenelon Falls.....	700	700	4,957,740
	Des Joachims.....	380,000	375,000	2,176,199,900
	Otto Holden.....	178,000	190,000	812,882,000
	Chenault.....	120,000	118,000	706,039,900
Madawaska	*Chats Falls (Ontario half).....	82,000	86,000	458,123,750
	Stewartville.....	63,000	64,500	267,966,800
	Barrett Chute.....	42,000	40,750	232,375,700
Mississippi	Calabogie.....	4,400	2,520	26,087,930
	High Falls.....	2,450	2,800	15,502,580
	Galetta.....	800	955	2,803,200
Rideau	Merriekville.....	900	840	5,158,800
Location	Fuel-Electric Generating Stations			
Windsor	J. Clark Keith (steam).....	122,000	120,000	159,016,400
Chatham	*Canada & Dominion Sugar Co. (steam).....			318,200
Hamilton	Hamilton Beach (steam).....	10,000	10,800	2,083,200
	*Steel Co. of Canada (steam).....	6,000	2,000	20,763,000
	Westinghouse (diesel).....	2,000		23,700
Thorold	Ontario Paper (steam).....	15,000	10,800	2,868,200
Toronto	*Richard L. Hearn (steam).....	176,000	175,000	140,555,000
	Richard L. Hearn (steam).....	93,000	92,500	81,748,500
	Scarborough (steam).....	20,000	20,000	6,389,700
Total.....		2,103,150	**	11,453,401,569

*25-cycle stations, others are 60-cycle, except as indicated.

**Because the maximum 20-minute peak outputs of the various generating stations and purchased power sources in a system do not occur coincidentally, the sum of the power outputs should not be construed as representative of the peak load of that system.

The dependable peak capacity of a source of generation is the net output of power, subject to periodic change as equipment and water conditions vary, which the source is expected to be able to supply at the time of the system's primary peak demand. For Commission-owned or -operated generating stations, it is presumed that all units are available and that the supply of water is normal. Contractual stipulations govern the capacities of sources of purchased power.

**DEPENDABLE PEAK CAPACITY, ACTUAL STATION PEAK OUTPUT
IN DECEMBER 1952, AND TOTAL ENERGY OUTPUT
DURING 1952**

		Dependable 20-min peak capacity	Actual 20-min peak output (net)	Total Energy output (net)
NORTHERN ONTARIO PROPERTIES				
NORTHEASTERN DIVISION				
River	Hydro-Electric Generating Stations	kw	kw	kwh
Abitibi	*Abitibi Canyon.....	184,000	180,000	1,267,911,000
Mississagi	George W. Rayner.....	47,000	47,300	346,883,540
Mattagami	*Wawaitin.....	10,800	10,900	66,708,428
	*Lower Sturgeon.....	6,000	5,900	43,461,776
	*Sandy Falls.....	3,200	2,800	20,112,156
Montreal	Upper Notch.....	8,400	8,200	53,136,000
	Hound Chute.....	3,600	2,900	22,965,450
	Indian Chute.....	3,000	3,100	19,216,000
	Fountain Falls.....	2,000	2,070	13,414,730
Wanapitei	Stinson.....	5,700	5,700	30,340,425
	Coniston.....	4,100	2,280	20,930,400
	McVittie.....	2,200	2,400	13,651,905
Matabitchuan	Matabitchuan.....	8,800	8,800	55,468,240
Sturgeon	Crystal Falls.....	8,200	8,050	48,386,900
South	Nipissing.....	1,600	1,520	9,825,720
	Elliott Chute.....	1,400	1,400	5,454,400
	Bingham Chute.....	900	940	5,262,200
Kagawong	Kagawong.....	700	560	4,463,820
Location	Fuel-Electric Generating Station			
Kagawong	Kagawong (diesel portion).....	300	200	17,540
Total.....		301,900	**	2,047,610,630
NORTHWESTERN DIVISION				
River	Hydro-Electric Generating Stations			
Nipigon	Pine Portage.....	61,400	61,000	423,205,180
	Cameron Falls.....	59,200	59,000	426,321,200
	Alexander.....	50,000	52,500	333,463,600
Aguasabon	Aguasabon.....	40,000	46,000	240,031,000
Kaministikwia	Kakabeka Falls.....	25,000	26,000	174,349,700
English	Ear Falls.....	21,700	19,700	158,407,800
Albany	Rat Rapids.....	2,500	2,100	14,913,300
Total.....		259,800	**	1,770,691,780
Total generated—All systems.....		2,664,850	**	15,271,703,979
SOURCES OF PURCHASED POWER				
SOUTHERN ONTARIO SYSTEM				
Polymer Corporation.....		22,000	21,200	5,933,600
*Canadian Niagara Power Co.....		15,000	17,000	96,612,000
Gatineau Power Co. (25 & 60 cycle).....		254,000	295,800	1,615,801,700
*Beauharnois Light, Heat & Power Co.....		187,000	239,000	1,585,660,000
Maclaren-Quebec Power Co. (25 & 60 cycle).....		125,000	137,200	910,989,000
*Ottawa Valley Power Co.....		82,000	86,000	461,618,750
Miscellaneous (relatively small suppliers) (25 & 60 cycle).....		2,100	3,636	12,893,953
Total.....		687,100	**	4,689,509,003
NORTHERN ONTARIO PROPERTIES				
NORTHEASTERN DIVISION				
Abitibi Power & Paper Co. (25 & 60 cycle).....				5,644,600
*Quebec Hydro-Electric Commission.....				2,697,610
Miscellaneous (relatively small suppliers).....			1,938	338,010
Total.....			**	8,680,220
NORTHWESTERN DIVISION				
Ontario-Minnesota Pulp & Paper Co.....		1,400	1,352	4,534,800
Total purchased—All systems.....		688,500	**	4,702,724,023
Total generated and purchased—All systems.....		3,353,350	**	19,974,428,002

LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	*Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
SOUTHERN ONTARIO SYSTEM		cycles	kw	'000 kwh	per cent
Acton.....	Jan. '13	25	2,742.6	10,502	1.2
Agincourt.....	Nov. '22	60	867.3	3,701	19.2
Ailsa Craig.....	Jan. '16	60	192.6	747	7.4
Ajax.....	Jan. '52	60	2,214.9	9,810	.....
Alexandria.....	Jan. '21	60	741.3	3,262	24.9
Alfred.....	Jun. '52	60	165.0	.....	.....
Alliston.....	Jun. '18	60	1,020.0	4,199	12.8
Almonte.....	Feb. '45	60	662.9	1,753	36.0
Alvinston.....	Apr. '22	60	195.0	642	8.4
Amherstburg.....	Feb. '19	25	1,926.0	8,930	8.9
Ancaster Twp.—V.A....	Jan. '14	25	1,064.4	3,983	17.5
Apple Hill.....	Apr. '21	60	65.2	213	6.0
Arkona.....	Dec. '26	60	169.1	602	18.0
Arnprior.....	Jun. '29	60	2,296.0	9,508	11.5
Arthur.....	Dec. '16	60	383.3	1,525	8.5
Athens.....	Jan. '29	60	212.7	768	16.7
Aurora.....	Dec. '20	60	2,186.8	10,747	10.1
Aylmer.....	Mar. '18	25	2,230.4	9,356	13.0
Ayr.....	Jan. '15	25	423.9	1,452	8.7
Baden.....	May '12	25	403.0	2,050	1.6
Bala.....	Apr. '29	60	168.4	1,062	5.2
Bancroft.....	Mar. '50	60	206.0	384	59.5
Barrie.....	Apr. '13	60	7,871.4	35,689	8.1
Barry's Bay.....	Jan. '50	60	160.1	526	25.0
Bath.....	Nov. '31	60	108.6	401	6.4
Beachville.....	Aug. '12	25	1,019.1	5,173	1.7
Beamsville.....	Jan. '30	25	1,046.0	4,236	14.3
Beaverton.....	Nov. '14	60	450.9	1,857	4.3
Beeton.....	Aug. '18	60	230.9	801	10.1
Belle River.....	Dec. '22	25	414.6	1,752	5.7
Belleville.....	Mar. '16	60	11,985.2	58,468	5.7
Blenheim.....	Nov. '15	25	1,123.2	4,221	7.6
Bloomfield.....	Apr. '19	60	228.7	920	11.2
Blyth.....	Jul. '24	60	373.5	1,572	10.5
Bobcaygeon.....	Jul. '46	60	314.7	1,283	3.9
Bolton.....	Feb. '15	60	426.4	1,622	7.2
Bothwell.....	Sep. '15	25	280.1	906	0.7
Bowmanville.....	Mar. '16	60	4,157.7	18,274	0.8
Bradford.....	Oct. '18	60	862.3	3,659	10.6
Braeside.....	Jun. '29	60	186.6	621	6.1

*Frequency given in this appendix is that in effect on May 31, 1953.

LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Brampton.....	Nov. '11	25	5,278.0	22,949	8.8
Brantford.....	Feb. '14	25	27,818.7	133,557	7.5
Brantford Twp.—V.A.	Oct. '15	25	4,916.0	20,344	14.7
Brechin.....	Jan. '15	60	63.4	193	*
Bridgeport.....	Mar. '28	25	455.9	1,712	16.5
Brigden.....	Jan. '18	60	166.9	539	6.2
Brighton.....	Mar. '16	60	792.9	3,564	5.9
Brockville.....	Apr. '15	60	8,420.3	39,065	3.6
Bronte.....	Jan. '30	60	466.9	1,563	19.2
Brussels.....	Jul. '24	60	378.0	1,659	10.8
Burford.....	Jun. '15	25	448.8	1,760	8.2
Burgessville.....	Nov. '16	25	124.3	343	9.3
Burks Falls.....	Jan. '50	60	234.0	760	14.6
Burlington.....	Jan. '30	60	3,814.0	14,503	8.4
Burlington Beach.....	Jan. '30	25 & 60	916.2	3,562	7.8
Caledonia.....	Oct. '12	25	730.0	2,848	18.9
Campbellville.....	Jan. '25	25	105.5	346	9.1
Cannington.....	Nov. '14	60	394.5	1,492	5.0
Cardinal.....	Jul. '30	60	574.8	2,185	11.5
Carleton Place.....	May '19	60	2,427.8	10,195	2.0
Casselton.....	Dec. '52	60	67.2		
Cayuga.....	Nov. '24	25	242.7	1,018	7.5
Chatham.....	Feb. '15	25	12,711.0	56,612	2.4
Chatsworth.....	Dec. '15	60	219.4	730	11.6
Chesley.....	Jul. '16	60	908.4	3,496	5.9
Chesterville.....	Apr. '14	60	669.7	3,042	17.0
Chippawa.....	Sep. '19	25	654.0	2,658	12.5
Clifford.....	May '24	60	284.5	948	8.8
Clinton.....	Mar. '14	60	1,381.0	6,592	12.8
Cobden.....	Dec. '34	60	360.6	1,171	12.9
Cobourg.....	Mar. '16	60	3,972.4	18,580	6.4
Colborne.....	Mar. '16	60	476.8	2,053	3.5
Coldwater.....	Mar. '13	60	256.6	1,020	7.4
Collingwood.....	Mar. '13	60	4,303.9	17,081	15.8
Comber.....	May '15	25	215.3	768	8.2
Cookstown.....	May '18	60	190.1	648	14.2
Cottam.....	Feb. '19	25	160.0	594	10.4
Courtright.....	Dec. '23	60	108.8	397	12.3
Creemore.....	Nov. '14	60	302.3	1,050	14.9
Dashwood.....	Sep. '17	60	175.5	567	0.6

*Not comparable.

LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Delaware.....	Mar. '15	60	169.0	529	2.2
Delhi.....	May '38	25	1,439.0	4,859	12.8
Deseronto.....	Mar. '16	60	510.3	2,379	8.5
Dorchester.....	Dec. '14	60	245.3	863	8.0
Drayton.....	Mar. '18	60	215.7	748	6.5
Dresden.....	Apr. '15	60	748.8	3,151	0.9
Drumbo.....	Dec. '14	25	180.2	569	9.9
Dublin.....	Oct. '17	60	101.3	418	3.4
Dundalk.....	Dec. '15	60	365.9	1,264	8.6
Dundas.....	Jan. '11	25	4,140.9	16,629	11.0
Dunnville.....	Jun. '18	25	2,540.0	9,601	17.7
Durham.....	Dec. '15	60	693.7	3,064	5.3
Dutton.....	Sep. '15	25	312.0	1,132	9.0
East York Twp.—V.A.	Dec. '23	60	25,910.0	113,843	14.8
Eganville.....	Apr. '52	60	74.8		
Elmira.....	Nov. '13	25	2,357.8	10,079	5.9
Elmvale.....	Jun. '13	60	375.3	1,534	7.7
Elmwood—V.A.....	Apr. '18	60	138.7	444	4.7
Elora.....	Nov. '14	25	697.0	2,664	3.8
Embro.....	Jan. '15	25	250.1	944	9.5
Erieau.....	Jul. '24	25	204.8	1,077	7.3
Erie Beach.....	Jul. '25	25	25.6	99	2.1
Erin.....	Jan. '45	60	245.0	850	26.0
Essex.....	Feb. '19	25	1,051.7	4,624	7.7
Etobicoke Twp.—V.A.	Aug. '17	60	36,525.8	161,673	23.9
Exeter.....	Jun. '16	60	1,468.0	5,797	6.7
Fergus.....	Nov. '14	25	2,080.6	8,554	1.8
Finch.....	Feb. '28	60	180.8	633	0.8
Flesherton.....	Dec. '15	60	188.2	660	10.0
Fonthill.....	Jun. '26	25	675.8	2,723	17.1
Forest.....	Mar. '17	60	881.4	3,977	8.5
Forest Hill.....	Jan. '38	25	10,172.0	43,822	8.8
Frankford.....	Oct. '37	60	366.5	1,391	8.1
Galt.....	May '11	25	16,280.6	64,267	10.9
Georgetown.....	Sep. '13	25	2,961.8	12,512	4.5
Glencoe.....	Aug. '20	60	328.0	1,253	0.6
Goderich.....	Feb. '14	60	2,775.9	12,816	11.5
Grand Valley.....	Dec. '16	60	321.7	1,073	2.2
Granton.....	Jul. '16	60	93.2	287	2.5
Gravenhurst.....	Nov. '15	60	1,999.6	8,481	4.4

LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Grimsby.....	Jan. '30	25	1,572.2	7,009	9.7
Guelph.....	Dec. '10	25	17,405.4	81,803	10.2
Hagersville.....	Sep. '13	25	1,426.7	4,703	10.5
Hamilton.....	Feb. '11	25 & 60	196,170.2	1,057,125	4.7
Hanover.....	Sep. '16	60	2,263.0	8,732	0.3
Harriston.....	Jul. '16	60	853.3	3,637	10.4
Harrow.....	Feb. '19	25	891.5	3,372	2.8
Hastings.....	Jun. '31	60	217.6	915	6.0
Havelock.....	Feb. '21	60	363.0	1,297	8.9
Hawkesbury.....	Jun. '52	60	1,449.0		
Hensall.....	Jan. '17	60	433.2	1,580	16.4
Hepworth.....	Apr. '30	60	90.5	286	6.4
Hespeler.....	Feb. '11	25	4,092.8	17,494	2.5
Highgate.....	Dec. '16	25	133.1	452	9.6
Holstein.....	May '16	60	74.0	262	64.5
Huntsville.....	Sep. '16	60	1,836.0	9,642	0.0
Ingersoll.....	May '11	25	4,257.8	17,866	4.8
Iroquois.....	Feb. '40	60	478.8	2,146	8.6
Jarvis.....	Feb. '24	25	264.8	1,044	8.2
Kemptville.....	Dec. '21	60	950.8	4,227	19.2
Kincardine.....	Mar. '21	60	1,283.2	5,821	5.6
Kingston.....	Dec. '17	60	25,252.8	121,766	14.2
Kingsville.....	Feb. '19	25	1,413.6	4,707	10.9
Kirkfield.....	Jun. '20	60	59.3	171	7.3
Kitchener.....	Jan. '11	25	38,805.1	184,398	10.1
Lakefield.....	Aug. '20	60	1,066.3	5,027	1.1
Lambeth.....	Apr. '15	60	597.1	2,051	25.8
Lanark.....	Sep. '21	60	195.3	675	15.0
Lancaster.....	May '21	60	146.5	461	9.7
La Salle.....	Nov. '25	25	683.8	2,697	9.1
Leamington.....	Feb. '19	25	3,383.5	15,571	6.7
Lindsay.....	Mar. '16	60	5,665.5	24,354	9.9
Listowel.....	Jun. '16	60	2,130.0	8,334	3.7
London.....	Jan. '11	60	50,441.0	266,471	7.3
London Twp.—V.A....	Sep. '17	60	1,273.9	4,294	8.9
Long Branch.....	Jan. '31	60	4,403.2	18,826	7.7
L'Orignal.....	Jun. '52	60	160.0		
Lucan.....	Feb. '15	60	440.0	1,645	9.8
Lucknow.....	Jan. '21	60	506.0	2,358	11.5
Lynden.....	Nov. '15	25	207.0	697	14.4

LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Madoc	Mar. '16	60	536.6	2,144	7.3
Magnetawan	Jul. '51	60	46.5	165	
Markdale	Mar. '16	60	416.0	1,530	10.4
Markham	Apr. '20	60	781.0	2,983	12.5
Marmora	Jan. '21	60	358.5	1,316	24.2
Martintown	May '21	60	76.5	271	7.4
Maxville	Feb. '21	60	248.8	825	4.1
Meaford	Jan. '24	60	1,459.1	6,214	16.2
Merlin	Dec. '22	25	187.3	636	8.9
Merrickville	Jul. '50	60	343.7	1,386	13.2
Merritton	Nov. '20	25	13,621.4	66,775	9.7
Midland	Jul. '11	60	5,849.0	24,892	10.9
Mildmay	Apr. '30	60	339.1	1,214	13.9
Millbrook	Mar. '16	60	252.5	998	12.0
Milton	Apr. '13	25	2,534.2	9,022	4.8
Milverton	Jun. '16	25	731.2	2,258	8.5
Mimico	May '12	60	5,269.0	22,351	12.7
Mitchell	Sep. '11	60	1,237.0	5,342	7.3
Moorefield	Mar. '18	60	111.6	395	9.2
Morrisburg	Jun. '38	60	710.0	3,576	8.1
Mount Brydges	Mar. '15	60	221.2	776	13.6
Mount Forest	Dec. '15	60	1,106.5	4,082	12.7
Napanee	Mar. '16	60	2,243.0	9,838	6.8
Neustadt	Dec. '18	60	171.2	583	24.3
Newboro	Dec. '48	60	54.5	195	4.3
Newburgh	Mar. '16	60	126.6	438	10.5
Newbury	Mar. '21	25	84.8	323	2.9
Newcastle	Mar. '16	60	518.3	1,976	22.3
New Hamburg	Mar. '11	25	981.5	3,503	8.4
Newmarket	Dec. '20	60	3,061.4	13,368	11.6
New Toronto	Feb. '14	60	13,836.2	66,476	3.9
Niagara	Aug. '19	25	1,478.8	6,814	16.5
Niagara Falls	Dec. '15	25	15,023.3	70,363	8.9
North York Twp.—V.A.	Nov. '23	60	55,429.7	233,670	26.5
Norwich	May '12	25	834.0	2,923	7.2
Norwood	Feb. '21	60	343.6	1,504	12.2
Oakville	Jan. '30	60	4,372.2	18,521	3.2
Oil Springs	Feb. '18	60	195.1	1,065	6.5
Omeme	Jan. '18	60	247.4	946	9.0
Orangeville	Jul. '16	60	1,612.6	6,563	13.2

LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Orono.....	Mar. '16	60	248.0	864	17.4
Oshawa.....	Mar. '16	60	30,581.6	147,668	5.7
Ottawa.....	Jan. '14	60	77,413.6	321,080	12.1
Otterville.....	Feb. '16	25	235.0	939	12.0
Owen Sound.....	Dec. '15	60	9,382.1	38,932	6.5
Paisley.....	Sep. '23	60	290.8	1,056	3.9
Palmerston.....	Jul. '16	60	831.7	3,931	4.7
Paris.....	Feb. '14	25	2,736.9	11,086	4.8
Parkhill.....	May '20	60	488.0	1,996	4.1
Parry Sound.....	Aug. '46	60	763.3	2,888	25.0
Penetanguishene.....	Jul. '11	60	1,664.4	7,439	9.2
Perth.....	Feb. '19	60	2,505.2	10,192	6.6
Peterborough.....	Mar. '13	60	25,430.0	121,014	6.1
Petrolia.....	May '16	60	1,214.0	5,666	5.8
Pictou.....	Apr. '19	60	2,297.4	10,609	9.6
Plattsville.....	Dec. '14	25	303.2	925	4.8
Point Edward.....	Nov. '16	60	2,709.0	9,593	14.5
Port Carling.....	Apr. '29	60	222.0	1,353	10.7
Port Colborne.....	Mar. '20	25	4,234.0	19,809	15.3
Port Credit.....	Aug. '12	60	2,556.0	11,308	25.4
Port Dalhousie.....	Nov. '12	25	1,399.3	6,902	8.2
Port Dover.....	Dec. '21	25	1,084.4	4,315	11.4
Port Elgin.....	Apr. '30	60	741.1	3,276	0.6
Port Hope.....	Mar. '16	60	4,728.5	21,658	2.4
Port McNicoll.....	Jan. '15	60	1,670.0	2,814	97.8*
Port Perry.....	Sep. '22	60	694.7	2,631	13.1
Port Rowan.....	Nov. '26	25	207.2	716	5.2
Port Stanley.....	Apr. '12	25	716.5	3,931	0.5
Prescott.....	Dec. '13	60	1,729.4	7,157	10.6
Preston.....	Jan. '11	25	6,613.5	23,814	30.9
Priceville.....	Mar. '21	60	18.7	67	0.1
Princeton.....	Jan. '15	25	166.3	667	5.3
Queenston.....	Mar. '21	25	263.0	1,055	11.8
Renfrew.....	Dec. '44	60	2,147.8	7,501	45.6
Richmond.....	Aug. '28	60	254.4	814	25.0
Richmond Hill.....	Jun. '25	60	1,369.6	5,314	13.7
Ridgetown.....	Dec. '15	25	857.9	3,242	3.0
Ripley.....	Jan. '21	60	188.3	664	14.5
Riverside.....	Nov. '22	25	3,445.2	14,623	13.0
Rockwood.....	Sep. '13	25	292.3	1,071	7.3

*This is not a normal increase. During 1951 the municipality took over a power customer formerly supplied by H-E.P.C.

LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Rodney	Feb. '17	25	312.0	1,151	12.9
Rosseau	Jul. '31	60	39.0	182	2.5
Russell	Feb. '26	60	151.6	548	10.0
St. Catharines	Apr. '14	25 & 60	33,656.8	157,046	0.5
St. Clair Beach	Nov. '22	60	231.2	857	13.1
St. George	Sep. '15	25	290.2	1,010	1.8
St. Jacobs	Sep. '17	25	379.9	1,528	18.9
St. Mary's	May '11	60	2,388.0	10,920	7.3
St. Thomas	Apr. '11	25	10,095.5	51,202	0.2
Sarnia	Dec. '16	60	21,044.9	110,205	22.0
Scarborough Twp.—V.A.	Aug. '18	60	35,457.5	129,405	59.0
Seaforth	Nov. '11	60	1,216.5	4,722	1.5
Shelburne	Jul. '16	60	580.2	2,248	7.7
Simcoe	Apr. '15	25	4,341.8	18,002	16.1
Smith's Falls	Sep. '18	60	4,874.4	20,324	9.6
Smithville	Jan. '30	25	397.7	1,405	1.5
Southampton	Apr. '30	60	786.7	3,522	4.8
Springfield	Aug. '17	25	142.6	577	21.8
Stamford Twp.—V.A.	Nov. '16	25	8,436.1	34,135	19.0
Stayner	Oct. '13	60	595.2	2,181	16.6
Stirling	Mar. '16	60	645.3	2,369	5.6
Stoney Creek	Jan. '30	25	1,140.3	4,389	15.8
Stouffville	Sep. '23	60	985.6	3,424	10.8
Stratford	Jan. '11	60	10,794.1	51,725	6.6
Strathroy	Dec. '14	60	2,142.5	9,985	5.8
Streetsville	Dec. '34	25	944.0	3,973	2.2
Sunderland	Nov. '14	60	245.1	888	7.3
Sundridge	Jun. '52	60	114.4		
Sutton	Aug. '23	60	524.5	2,593	12.8
Swansea	Oct. '37	60	4,618.3	20,723	8.1
Tara	Feb. '18	60	229.3	792	7.5
Tavistock	Nov. '16	60	819.8	3,265	4.4
Tecumseh	Nov. '22	25	933.8	3,971	8.6
Teeswater	Dec. '20	60	306.3	1,430	10.7
Thamesford	Feb. '14	60	354.4	1,344	1.6
Thamesville	Oct. '15	25	549.0	1,662	13.9
Theford	May '22	60	253.2	1,017	15.7
Thornbury	Sep. '44	60	316.5	952	24.9
Thorndale	Mar. '14	60	203.0	631	19.1
Thornton	Nov. '18	60	78.2	213	13.9

LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Thorold.....	Jan. '21	25	6,545.3	31,386	36.5
Tilbury.....	Apr. '15	25	1,398.0	5,240	8.1
Tillsonburg.....	Aug. '11	25	2,954.2	11,964	13.6
Toronto.....	Jun. '11	25 & 60	443,355.0	2,320,219	4.9
Toronto Twp.—V.A....	Aug. '13	60	13,893.9	55,132	21.8
Tottenham.....	Oct. '18	60	259.1	928	8.5
Trafalgar Twp.—V.A....	Dec. '23	60	2,444.1	8,949	26.0
Trenton.....	Mar. '16	60	7,995.5	36,083	3.6
Tweed.....	Mar. '16	60	682.5	2,521	*
Uxbridge.....	Sep. '22	60	812.0	3,257	14.4
Vankleek Hill.....	Jun. '52	60	295.0		
Victoria Harbour.....	Jul. '14	60	175.5	700	8.1
Walkerton.....	Apr. '30	60	1,725.0	6,350	4.8
Wallaceburg.....	Feb. '15	60	8,107.9	37,084	0.5
Wardsville.....	Jun. '21	25	133.0	463	10.9
Warkworth.....	Oct. '23	60	179.0	595	7.6
Waterdown.....	Nov. '11	25	654.1	2,594	13.8
Waterford.....	Apr. '15	25	826.0	2,673	7.2
Waterloo.....	Dec. '10	25	9,938.9	39,370	11.5
Watford.....	Sep. '17	60	675.7	2,395	5.8
Waubauskene—V.A....	Dec. '14	60	163.1	822	11.7
Welland.....	Sep. '17	25	12,891.6	60,467	3.9
Wellesley.....	Nov. '16	25	260.1	901	13.6
Wellington.....	Apr. '19	60	343.8	1,522	3.3
West Lorne.....	Jan. '17	25	760.8	2,550	18.9
Weston.....	Aug. '11	25	6,709.4	31,271	2.5
Westport.....	Nov. '31	60	223.8	836	7.7
Wheatley.....	Feb. '24	25	476.8	1,884	7.6
Whitby.....	Mar. '16	60	2,956.8	12,850	12.1
Wiarton.....	Apr. '30	60	748.5	3,470	6.0
Williamsburg.....	Apr. '15	60	141.6	608	3.6
Winchester.....	Jan. '14	60	597.3	2,708	10.9
Windermere.....	Jun. '30	60	55.5	343	9.2
Windsor.....	Oct. '14	60	67,166.4	304,097	3.9
Wingham.....	Dec. '20	60	1,236.9	6,167	8.9
Woodbridge.....	Dec. '14	60	1,572.0	7,834	9.8
Woodstock.....	Jan. '11	25	10,951.8	51,409	5.4
Woodville.....	Nov. '14	60	166.4	491	13.4
Wyoming.....	Nov. '16	60	236.4	754	25.2
York Twp.—V.A.....	Jan. '13	25	40,444.5	188,714	13.2
Zurich.....	Sep. '17	60	257.3	855	9.7

*Not comparable.

LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
NORTHERN ONTARIO PROPERTIES		cycles	kw	'000 kwh	per cent
Atikokan Imp. Dist....	Dec. '44	60	1,311.6	5,126	19.0
Beardmore Imp. Dist....	Jun. '37	60	286.9	1,217	9.9
Cache Bay.....	Dec. '50	60	122.0	1,168	394.6
Capreol.....	May '35	60	918.8	4,149	9.1
Cobalt.....	Jan. '45	60	804.0	3,202	19.8
Cochrane.....	Dec. '52	60	1,338.3		
Cottage Cove Townsite	Nov. '40	60	179.9	651	4.2
Elk Lake Townsite....	Jan. '45	25	141.4	453	11.5
Englehart.....	Jan. '45	60	628.8	2,647	15.8
Fort William.....	Oct. '26	60	29,444.5	161,537	10.4
Geraldton.....	Feb. '37	60	898.0	3,736	3.3
Haileybury.....	Jan. '45	60	1,046.7	4,300	8.5
Hearst.....	Apr. '52	60	479.8		
Hudson Townsite.....	Oct. '39	60	133.4	469	5.7
Jellicoe Townsite.....	Dec. '51	60	14.0	44	
Kearns Townsite.....	Dec. '38	25	101.1	556	17.9
King Kirkland Townsite	Dec. '36	25	62.4	226	10.8
Kirkland Lake.....	Jan. '45	25 & 60	6,314.0	25,541	2.9
Larder Lake Twp.—V.A.	Mar. '49	60	519.7	2,203	6.2
Latchford.....	Apr. '50	60	58.0	236	37.8
Massey.....	Dec. '52	60	150.0		
Matachewan Twp.....	Apr. '35	25	300.8	1,250	24.9
Matheson.....	Dec. '35	25	320.5	1,273	18.2
McGarry Imp. Dist....	Mar. '49	60	626.6	2,520	12.7
New Liskeard.....	Jan. '45	60	1,985.6	8,406	13.5
Nipigon Twp.—V.A....	Jan. '25	60	739.4	3,302	8.9
North Bay.....	Mar. '16	60	8,636.9	42,600	8.4
Pickle Lake Landing...	Aug. '52	60	17.9		
Port Arthur.....	Dec. '10	60	30,792.2	147,590	13.2
Powassan.....	Mar. '16	60	314.8	1,037	18.0
Red Lake Townsite....	Jun. '38	60	626.4	2,731	6.4
Red Rock Imp. Dist....	Feb. '48	60	422.0	1,755	10.7
Schreiber Twp.—V.A....	Nov. '48	60	542.5	2,483	18.3
Sioux Lookout.....	Sep. '39	60	979.6	4,766	15.4
South Porcupine Townsite.....	Jan. '45	25	1,487.5	6,055	8.3
Sturgeon Falls.....	Apr. '51	60	1,282.9	4,740	
Sudbury.....	Feb. '30	60	19,635.7	88,295	13.3
Terrace Bay Imp. Dist.	Jan. '48	60	931.6	4,629	11.2
Thornloe.....	Jan. '45	60	27.3	124	9.7
Timmins.....	Jan. '45	25	9,021.0	35,753	5.5
Webbwood.....	Dec. '52	60	75.0		

APPENDIX II—FINANCIAL

Schedules in Support of Financial Statements Presented in Section II

For each of the Southern Ontario System and the Northern Ontario Properties a balance sheet and a statement of operations are given in Section II of the Report. Also in Section II are statements of the Commission's funded debt and of advances from the Province of Ontario.

Appendix II includes detailed schedules in support of the summaries given in Section II. Schedules relating to the Southern Ontario System are given first and those relating to Northern Ontario Properties follow in the same order. For convenient reference the following table is reproduced from Section II.

FINANCIAL STATEMENTS

Relating to

Properties Operated by The Hydro-Electric Power Commission of Ontario on Behalf of the Co-operating Municipalities and Rural Power District of the Southern Ontario System

and to

Northern Ontario Properties Held and Operated by the Commission in Trust for the Province of Ontario and on Behalf of Municipalities Supplied with Power at Cost

Description	Southern Ontario System	Northern Ontario Properties
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THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

FIXED ASSETS—December 31, 1952

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
	\$	\$	\$	\$
GENERATING STATIONS				
Niagara Division				
Niagara River				
Sir Adam Beck-Niagara				
No. 1		47,927,849.93	28,705,291.85	76,633,141.78
Sir Adam Beck-Niagara				
No. 2	92,164,769.94			92,164,769.94
Ontario Power		7,281,151.42	14,475,841.88	21,756,993.30
Toronto Power		3,823,379.60	7,632,354.00	11,455,733.60
Niagara Weir		416,326.62		416,326.62
Welland Canal				
DeCew Falls	18,330.83	10,263,455.45	16,100,173.31	26,381,959.59
Ottawa River				
Des Joachims	36,529.89	13,639,498.00	59,520,762.85	73,196,790.74
Otto Holden	102,025.67	16,137,920.00	39,030,450.28	55,270,395.95
Chenau		2,285,160.00	26,852,169.00	29,137,329.00
Chats Falls	4,706.30	817,506.36	6,621,363.27	7,443,575.93
Power sites, etc.	786,242.82			786,242.82
Long Lake Diversion	1,831.72	258,057.40	637,699.11	897,588.23
Ogoki Diversion		3,300,539.39	1,752,408.11	5,052,947.50
Fuel-electric generating stations				
J. Clark Keith	12,828,338.64	190,000.00	23,809,286.73	36,827,625.37
Richard L. Hearn	4,553,607.52	750,000.00	36,520,000.00	41,823,607.52
Other steam-electric	12,562.61	184,297.87	6,077,506.54	6,274,367.02
Diesel			456,342.99	456,342.99
Georgian Bay Division				
Muskoka River				
Ragged Rapids	6,238.78	70,889.49	1,256,718.20	1,333,846.47
Big Eddy	2,112.02	170,434.74	1,119,341.96	1,291,888.72
Bala No. 1 and 2	1,520.24	69,120.64	43,379.34	114,020.22
Land and water rights		17,224.03		17,224.03
South Muskoka River				
South Falls		17,934.95	566,232.30	584,167.25
Trethewey Falls		51,549.45	307,533.09	359,082.54
Hanna Chute		33,469.30	205,348.15	238,817.45
Hollow Lake Dam		18,425.43	29,540.16	47,965.59
Beaver River				
Eugenia		142,538.73	1,170,789.02	1,313,327.75
Severn River				
Big Chute		178,040.48	623,079.35	801,119.83
Waddell Falls		13,752.32	192,669.00	206,421.32
Saugeen River				
Walkerton		100,286.31	104,883.80	205,170.11
Hanover		10,000.00		10,000.00
Magnetawan River				
Burks Falls		24,134.00	156,975.32	181,109.32
Sauble River				
Lands and rights		4,200.00		4,200.00
Credit River				
Caledon		7,675.00	27,795.02	35,470.02
Miscellaneous		1,735.29	50,762.94	52,498.23
Eastern Ontario Division				
Trent River				
Heely Falls	2,618.70		1,228,710.40	1,231,329.10
Ranney Falls	1,628.35	18,596.20	1,416,784.95	1,437,009.50
Meyersburg			837,756.98	837,756.98
Sidney			249,850.46	249,850.46

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

FIXED ASSETS—December 31, 1952

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
GENERATING STATIONS—Cont.	\$	\$	\$	\$
Hagues Reach.....			572,466.30	572,466.30
Seymour.....	27,119.05		314,003.09	341,122.14
Frankford.....			280,628.15	280,628.15
Sills Island.....		38,679.36	282,721.87	321,401.23
Crow River.....		1,000.00		1,000.00
Otonabee River				
Auburn.....	227.38	31,400.00	302,174.05	333,801.43
Lakefield.....		19,620.05	217,752.02	237,372.07
Fenelon Falls.....		60,000.00	112,848.63	172,848.63
Madawaska River				
Stewartville.....	10,251.13	840,221.08	10,762,650.34	11,613,122.55
Barrett Chute.....	3,523.91	702,098.49	4,005,001.86	4,710,624.26
Calabogie.....	12,432.20	79,825.74	679,927.48	772,185.42
Bark Lake Dam.....		614,248.81	799,608.05	1,413,856.86
Kaministegig Dam.....		24,980.86	1,795.46	26,776.32
Undeveloped sites.....	241,379.87	800,000.00		1,041,379.87
Mississippi River				
High Falls.....		13,154.84	716,735.62	729,890.46
Galletta.....	9,532.50	20,000.00	140,502.30	170,034.80
Rideau River				
Merrickville.....	4,575.05	7,547.51	115,238.35	127,360.91
Miscellaneous.....		39.00	36,354.94	36,393.94
Intangible.....		2,217,761.29		2,217,761.29
	110,832,105.12	113,695,725.43	297,120,208.87	521,648,039.42
TRANSFORMER STATIONS				
Niagara Division.....	9,109,388.10		131,542,828.18	140,652,216.28
Georgian Bay Division.....	554,069.96		5,409,174.76	5,963,244.72
Eastern Ontario Division.....	1,346,374.98		14,082,111.91	15,428,486.89
	11,009,833.04		151,034,114.85	162,043,947.89
TRANSMISSION LINES				
Niagara Division.....	9,904,159.25	17,800,254.35	88,115,397.03	115,819,810.63
Georgian Bay Division.....	226,762.80	196,099.92	5,877,829.98	6,300,692.70
Eastern Ontario Division.....	1,144,166.38	1,473,762.45	13,153,654.56	15,771,583.39
	11,275,088.43	19,470,116.72	107,146,881.57	137,892,086.72
LOCAL SYSTEMS				
Niagara Division.....	624.25		93,987.00	94,611.25
Georgian Bay Division.....	998.93		197,418.85	198,417.78
Eastern Ontario Division.....	25,296.95		102,322.20	127,619.15
	26,920.13		393,728.05	420,648.18
COMMUNICATIONS				
Southern Ontario System.....	456,110.97		9,202,271.49	9,658,382.46
Total.....	133,600,057.69	133,165,842.15	564,897,204.83	831,663,104.67
RURAL POWER DISTRICT				
H-E.P.C. investment.....	3,128,445.84	37,559.97	60,160,527.93	63,326,533.74
Provincial assistance.....	2,927,354.90		58,768,982.24	61,696,337.14
Total—Rural Power District.....	6,055,800.74	37,559.97	118,929,510.17	125,022,870.88

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
ADMINISTRATIVE BUILDINGS AND SERVICE BUILDINGS
AND EQUIPMENT

FIXED ASSETS—December 31, 1952

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
ADMINISTRATIVE BUILDINGS	\$	\$	\$	\$
Toronto				
Head Office.....	679,131.54	462,561.54	3,973,327.94	5,115,021.02
210 Bloor Street West.....		42,000.00	264,993.95	306,993.95
	679,131.54	504,561.54	4,238,321.89	5,422,014.97
SERVICE BUILDINGS AND EQUIPMENT				
Buildings				
Toronto				
8 Strachan Avenue.....	20,445.19		192,491.78	212,936.97
1379 Bloor Street West...			50,000.00	50,000.00
A. W. Manby Service Centre.....	496,179.50	257,009.30	7,020,514.78	7,773,703.58
Hamilton			550,000.00	550,000.00
Fort William Helicopter Hangar.....	14,784.92			14,784.92
Equipment				
Toronto.....			1,715,790.21	1,715,790.21
Regions.....			447,908.22	447,908.22
Office equipment				
Toronto.....			1,090,617.07	1,090,617.07
Regions.....			753,434.54	753,434.54
	531,409.61	257,009.30	11,820,756.60	12,609,175.51
Total.....	1,210,541.15	761,570.84	16,059,078.49	18,031,190.48

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

FIXED ASSETS—Summary, December 31, 1952

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
	\$	\$	\$	\$
Power system.....	133,600,057.69	133,165,842.15	564,897,204.83	831,663,104.67
Administrative buildings & service buildings & equipment.....	1,210,541.15	761,570.84	16,059,078.49	18,031,190.48
Rural Power District.....	6,055,800.74	37,559.97	118,929,510.17	125,022,870.88
Total fixed assets.....	140,866,399.58	133,964,972.96	699,885,793.49	974,717,166.03
Less assistance for construction—Province of Ontario for Rural Power District...				61,696,337.14
				913,020,828.89

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

FREQUENCY STANDARDIZATION ACCOUNT—December 31, 1952

Balance at credit at January 1, 1952.....		\$15,846,065.58
Expenditures for frequency standardization work completed during year.....		\$40,602,873.34
Less:		
Industrial customers' contributions.....	\$3,649,482.15	
Prior year adjustment of expenditures for frequency standardization.....	45,447.82	
		<hr/> 3,694,929.97
		\$36,907,943.37
Less portion of cost charged to cost of power for the year ..		<hr/> 6,354,293.00
		30,553,650.37
Balance at debit at December 31, 1952.....		<hr/> \$14,707,584.79

THE HYDRO-ELECTRIC POWER
SOUTHERN ONTARIO
STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Property	Balance at Jan. 1, 1952(1)	Expenditures during 1952
	\$	\$
GENERATING STATIONS		
Niagara Division		
Niagara River		
Sir Adam Beck-Niagara No. 1	76,637,510.18	
Sir Adam Beck-Niagara No. 2	31,130,724.86	61,034,045.08
Ontario Power	21,759,506.49	3,416.56
Toronto Power	11,455,798.70	65.10
Niagara Weir	416,326.62	
Welland Canal		
DeCew Falls	26,347,968.69	34,190.90
Ottawa River		
Des Joachims	72,888,232.08	730,610.15
Otto Holden	46,505,865.07	8,764,530.88
Chenau	28,687,807.74	449,521.26
Chats Falls	7,432,888.01	10,839.92
Ogoki Diversion	5,041,248.49	11,699.01
Fuel-electric generating stations		
J. Clark Keith	24,811,996.66	12,015,628.71
Richard L. Hearn	29,546,242.59	12,277,364.93
Other steam-electric	6,196,230.37	78,136.65
Diesel	456,412.99	
Other properties	1,684,968.75	1,137.70
Georgian Bay Division		
Muskoka River		
Ragged Rapids	1,328,321.77	5,524.70
Big Eddy	1,289,627.50	2,261.22
South Muskoka River		
South Falls	584,155.55	11.70
Trethewey Falls	357,263.89	1,818.65
Beaver River		
Eugenia	1,312,154.46	1,188.29
Severn River		
Big Chute	771,104.44	30,855.37
Other properties	1,112,709.03	3,613.89
Eastern Ontario Division		
Trent River		
Heely Falls	1,223,454.56	9,417.77
Ranney Falls	1,435,381.15	1,628.35
Meyersburg	837,638.10	118.88
Hagues Reach	572,466.30	
Seymour	324,737.99	16,384.15
Sills Island	321,501.23	
Otonabee River		
Auburn	333,574.05	227.38
Madawaska River		
Stewartville	11,502,202.84	110,919.71
Barrett Chute	4,709,018.83	3,793.61
Calabogie	759,753.22	12,432.20
Bark Lake Dam	1,413,844.57	12.29
Undeveloped sites	1,031,821.56	9,558.31
Mississippi River		
High Falls	723,143.74	8,746.72
Intangible	2,217,761.29	
Other properties	1,285,019.45	21,667.83
	426,446,383.81	95,648,962.27

COMMISSION OF ONTARIO

SYSTEM

During Year Ended December 31, 1952

Adjustment for equipment relocated and reclassified	Retirements		Balance at Dec. 31, 1952
	Values recovered (stores, sales, and salvage)	Charged to reserves for depreciation and contingencies(2)	
\$	\$	\$	\$
4,268.40	100.00		76,633,141.78
5,129.75		800.00	92,164,769.94
			21,756,993.30
			11,455,733.60
			416,326.62
	200.00		26,381,959.59
421,791.49	260.00		73,196,790.74
			55,270,395.95
	152.00		29,137,329.00
			7,443,575.93
			5,052,947.50
			36,827,625.37
			41,823,607.52
	70.00		6,274,367.02
			456,342.99
			1,683,831.05
			1,333,846.47
			1,291,888.72
			584,167.25
			359,082.54
	15.00		1,313,327.75
	40.00	799.98	801,119.83
		3,426.63	1,112,896.29
	1,143.23	400.00	1,231,329.10
			1,437,009.50
			837,756.98
			572,466.30
	100.00		341,122.14
			321,401.23
			333,801.43
2,188.18			11,613,122.55
			4,710,624.26
			772,185.42
			1,413,856.86
			1,041,379.87
		2,000.00	729,890.46
	10.00	4,412.00	2,217,761.29
			1,302,265.28
433,377.82	2,090.23	11,838.61	521,648,039.42

See Footnote (2) page 287

THE HYDRO-ELECTRIC POWER

SOUTHERN ONTARIO

STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Property	Balance at Jan. 1, 1952(1)	Expenditures during 1952
TRANSFORMER STATIONS	\$	\$
Niagara Division.....	123,693,260.99	17,475,118.91
Georgian Bay Division.....	4,999,919.86	838,297.55
Eastern Ontario Division.....	12,937,178.04	2,825,040.07
	141,630,358.89	21,138,456.53
TRANSMISSION LINES		
Niagara Division.....	104,638,284.76	11,272,621.33
Georgian Bay Division.....	5,553,026.14	669,023.56
Eastern Ontario Division.....	13,888,656.58	1,738,999.24
	124,079,967.48	13,680,644.13
LOCAL SYSTEMS		
Niagara Division.....	90,790.24	4,015.82
Georgian Bay Division.....	182,323.69	17,404.52
Eastern Ontario Division.....		54,871.15
	273,113.93	76,291.49
COMMUNICATIONS		
Southern Ontario System.....	7,896,633.27	1,813,133.88
Sub-total.....	700,326,457.38	132,357,488.30
RURAL POWER DISTRICT		
H-E.P.C. investment.....	56,142,927.96	9,464,696.25
Provincial assistance.....	55,082,046.57	8,895,381.03
	111,224,974.53	18,360,077.28
Total—Southern Ontario System.....	811,551,431.91	150,717,565.58

See Footnote (1) page 286

COMMISSION OF ONTARIO

SYSTEM

During Year Ended December 31, 1952

Adjustment for equipment relocated and reclassified	Retirements		Balance at Dec. 31, 1952
	Values recovered (stores, sales, and salvage)	Charged to reserves for depreciation and contingencies(2)	
\$	\$	\$	\$
131,950.07	75,239.24	572,874.45	140,652,216.28
182,093.65	5,508.34	51,558.00	5,963,244.72
90,325.55	34,852.89	208,552.78	15,428,486.89
223,718.17	115,600.47	832,985.23	162,043,947.89
348,900.07	133,525.98	306,469.55	115,819,810.63
164,041.22	17,931.04	67,467.18	6,300,692.70
362,730.21	25,229.11	193,573.53	15,771,583.39
875,671.50	176,686.13	567,510.26	137,892,086.72
.....	194.81	.....	94,611.25
72,748.00	436.91	873.52	198,417.78
.....	.....	.....	127,619.15
72,748.00	631.72	873.52	420,648.18
25,348.90	7,994.05	68,739.54	9,658,382.46
764,108.75	303,002.60	1,481,947.16	831,663,104.67
382,054.38	1,577,578.80	321,457.29	63,326,533.74
382,054.37	1,577,578.80	321,457.29	61,696,337.14
764,108.75	3,155,157.60	642,914.58	125,022,870.88
.....	3,458,160.20	2,124,861.74	956,685,975.55

See Footnote (2) page 287

THE HYDRO-ELECTRIC POWER

SOUTHERN ONTARIO

STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Property	Balance at Jan. 1, 1952(<i>I</i>)	Expenditures during 1952
ADMINISTRATIVE BUILDINGS AND SERVICE BUILDINGS AND EQUIPMENT	\$	\$
ADMINISTRATIVE BUILDINGS		
Toronto		
Head Office.....	4,898,431.17	247,518.05
210 Bloor Street West.....	301,188.51	5,805.44
	5,199,619.68	253,323.49
SERVICE BUILDINGS AND EQUIPMENT		
Buildings		
Toronto		
8 Strachan Avenue.....	192,491.78	20,445.19
1379 Bloor Street West.....	50,000.00	
A. W. Manby Service Centre.....	7,198,951.25	625,249.13
Other properties.....	554,879.24	14,784.92
Equipment		
Toronto.....	1,499,746.72	219,309.25
Regions (Note <i>I</i>).....	285,973.97	161,934.25
Office equipment		
Toronto.....	968,303.54	122,581.69
Regions (Note <i>I</i>).....	624,108.93	130,619.75
	11,374,455.43	1,294,924.18
Total—Administrative Buildings and Service Buildings and Equipment.....	16,574,075.11	1,548,247.67
Total.....	828,125,507.02	152,265,813.25
Less assistance for construction—Province of Ontario for Rural Power District (Note <i>I</i>).....	55,082,046.57	6,614,290.57
	773,043,460.45	145,651,522.68

(*I*) At January 1, 1952 the fixed assets of the Thunder Bay System were transferred to the Northern Ontario Properties in accordance with The Power Commission Amendment Act, 1953, as follows:

Power system	\$74,262,526.80
Service equipment, regions	84,345.91
Office equipment, regions.....	86,574.18
Less assistance for construction, Rural Power District....	1,261,601.81

COMMISSION OF ONTARIO

SYSTEM

During Year Ended December 31, 1952

Adjustment for equipment relocated and reclassified	Retirements		Balance at Dec. 31, 1952
	Values recovered (stores, sales, and salvage)	Charged to reserves for depreciation and contingencies (2)	
\$	\$	\$	\$
		*30,928.20	5,115,021.02
			306,993.95
		30,928.20	5,422,014.97
			212,936.97
			50,000.00
		*50,496.80	7,773,703.58
		4,879.24	564,784.92
	2,700.00	565.76	1,715,790.21
			447,908.22
		268.16	1,090,617.07
		1,294.14	753,434.54
	2,700.00	57,504.10	12,609,175.51
	2,700.00	88,432.30	18,031,190.48
	3,460,860.20	2,213,294.04	974,717,166.03
			61,696,337.14
	3,460,860.20	2,213,294.04	913,020,828.89

(2) Retirements charged to reserves for depreciation and contingencies:

Depreciation reserve	\$1,563,517.90
Contingencies reserve	568,351.14
*Operations—Amortization of temporary buildings	81,425.00
Total	\$2,213,294.04

THE HYDRO-ELECTRIC POWER
SOUTHERN ONTARIO
STATEMENTS OF RESERVES—

Depreciation

	Power system	Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balance at January 1, 1952 . . .	82,991,013.74	13,757,548.06	1,791,090.11	98,539,651.91
Add:				
Interest at 4% per annum on reserve balances	3,564,440.55	550,301.92	29,962.08	4,144,704.55
Provision in the year				
—direct	6,570,514.26	1,130,611.32		7,701,125.58
—indirect		3,538.99	426,947.21	430,486.20
Amortization of auxiliary steam and diesel genera- ting equipment — trans- ferred from reserve for contingencies	6,120,000.00			6,120,000.00
Adjustments re transfer of equipment	185,075.00	178,282.78	1,321.99	8,114.21
Sub-total	99,431,043.55	15,263,717.51	2,249,321.39	116,944,082.45
Deduct:				
Amounts withdrawn for re- newals	30,077.24	371,141.18		401,218.42
Amounts withdrawn on assets retired	1,200,309.43	356,201.17	7,007.30	1,563,517.90
Excess depreciation accumu- lated on assets retired— transferred to contingency reserve	185,219.39	49,593.22		234,812.61
Balance at December 31, 1952 .	98,015,437.49	14,486,781.94	2,242,314.09	114,744,533.52

NOTE: The reserve for depreciation of the Thunder Bay System at January 1, 1952 amounting to \$7,674,328.53 and a portion of the reserve for depreciation of administrative and service buildings and equipment amounting to \$37,215.23 were transferred to the Northern Ontario Properties as at that date.

Exchange Premium Received on Funded Debt

Exchange premium on funded debt issued in United States funds	
Balance at January 1, 1952	\$5,557,538.66
Less: Portion transferred to Contingencies and Obsolescence Reserve re partial retirement of 3¼% September, 1951 issue	66,032.23
Balance at December 31, 1952	\$5,491,506.43

COMMISSION OF ONTARIO

SYSTEM

December 31, 1952

Contingencies and Obsolescence

	Power system	Rural Power District	Total
	\$	\$	\$
Balance at January 1, 1952.....	35,448,495.94	1,211,162.89	36,659,658.83
Add:			
Interest at 4% per annum on reserve balances	1,169,810.25	48,446.52	1,218,256.77
Provision in the year—direct.....	2,424,614.10	1,405,611.32	3,830,225.42
—indirect.....		3,539.09	3,539.09
Excess depreciation accumulated on fixed assets retired—transferred from deprecia- tion reserve.....	185,219.39	49,593.22	234,812.61
Sub-total.....	39,228,139.68	2,718,353.04	41,946,492.72
Deduct:			
Amortization of auxiliary steam and diesel generating equipment—transferred to depreciation reserve.....	6,120,000.00		6,120,000.00
Excess of cost of fixed assets retired over accumulated depreciation.....	281,637.73	286,713.41	568,351.14
Adjustments re transfer of equipment.....	324,519.04	323,917.45	601.59
Contingencies met with during year.....	965,044.44	463,112.60	1,428,157.04
Balance at December 31, 1952.....	32,185,976.55	1,644,609.58	33,830,586.13

NOTE: The reserve for contingencies and obsolescence of the Thunder Bay System at January 1, 1952 amounting to \$7,555,945.24 was transferred to the Northern Ontario Properties as at that date.

Stabilization of Rates

	\$
Balance at January 1, 1952.....	25,003,392.56
Add interest at 4% per annum on reserve balance.....	1,000,135.70
	26,003,528.26
Less withdrawal in the year.....	2,061,885.51
Balance at December 31, 1952.....	23,941,642.75

Note: The reserves for stabilization of rates of the Thunder Bay System at January 1, 1952 amounting to \$1,296,349.34 were transferred to the Northern Ontario Properties as at that date.

The balance at December 31, 1952 of \$23,941,642.75 includes special accounts of \$709,254.52 and \$2,088,426.19 pertaining to municipalities of the Georgian Bay and Eastern Ontario Divisions respectively.

STATEMENTS OF RESERVES—Continued
Rural Power District—Rates Suspense Account

	\$
Balance at January 1, 1952.....	2,484,066.77
Interest at 4% per annum on reserve balance.....	99,362.67
Excess of revenue from sale of power for the year ended December 31, 1952....	25,163.02
Balance at December 31, 1952.....	2,608,592.46

NOTE: The balance at debit of the Rural Power District rates suspense account of the Thunder Bay System at January 1, 1952 amounting to \$208,345.47 was transferred to the Northern Ontario Properties as at that date.

Sinking Fund

	Power system and Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$
Balance at January 1, 1952.....	130,497,800.99	1,531,730.29	132,029,531.28
Interest at 4% per annum on reserve balance..	5,219,912.04	61,269.21	5,281,181.25
Provision in the year—direct.....	7,342,956.73	123,099.99	7,466,056.72
—indirect.....	3,726.38	.....	3,726.38
Balance at December 31, 1952.....	143,064,396.14	1,716,099.49	144,780,495.63

NOTE: The sinking fund reserve of the Thunder Bay System at January 1, 1952 amounting to \$8,191,404.31 was transferred to the Northern Ontario Properties as at that date.

SOUTHERN ONTARIO SYSTEM

**Cost of Power, Amount Billed at Interim Rates, and Balance Credited
or Charged to Municipalities for the year ended**

December 31, 1952

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,
For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Acton.....	38.60	2,436.2	10,502.4	12,849.74	31,852.13	11,697.71
Agincourt.....	38.20	684.3	3,700.8	4,527.95	8,946.89	3,285.75
Ailsa Craig.....	45.10	196.0	747.4	914.45	2,562.60	941.12
Alexandria.....	42.65	764.3	3,262.0	3,991.07	10,291.64	1,051.39
Alliston.....	40.80	886.1	4,198.6	5,137.01	12,865.95	2,867.21
Almonte.....	35.85	633.5	1,752.7	2,144.44	8,530.36	871.46
Alvinston.....	50.90	169.8	642.5	786.10	2,220.05	815.32
Amherstburg.....	44.40	1,655.8	8,929.6	10,925.41	21,648.78	7,950.53
Ancaster Twp.....	37.40	828.9	3,983.2	4,873.46	10,837.46	3,980.06
Apple Hill.....	42.25	55.3	213.0	260.61	744.64	76.07
Arkona.....	46.00	167.1	601.6	736.06	2,184.75	802.35
Arnprior.....	37.20	2,240.6	9,507.9	11,632.97	30,170.68	3,082.22
Arthur.....	42.10	356.9	1,525.2	1,866.09	5,182.10	1,633.74
Athens.....	40.45	174.4	767.6	939.16	2,348.37	239.91
Aurora.....	39.35	1,970.0	10,747.4	13,149.50	25,756.79	9,459.20
Aylmer.....	39.50	1,818.0	9,356.1	11,447.24	23,769.47	8,729.35
Ayr.....	39.60	395.7	1,452.0	1,776.53	5,173.59	1,900.00
Baden.....	36.90	559.8	2,049.7	2,507.82	7,319.11	2,687.95
Bancroft.....	52.20	141.2	384.0	469.83	1,901.32	194.24
Barrie.....	32.25	7,046.2	35,689.1	43,665.81	102,309.10	22,799.86
Barry's Bay.....	47.30	139.2	526.3	643.93	1,874.39	191.49
Bath.....	39.75	103.6	401.0	490.63	1,395.02	142.51
Beachville.....	38.50	989.3	5,172.8	6,328.95	12,934.62	4,750.24
Beamsville.....	36.00	804.9	4,236.0	5,182.77	10,523.68	3,864.83
Beaverton.....	40.20	440.1	1,857.2	2,272.29	6,390.14	1,424.06
Beeton.....	48.25	186.0	801.2	980.27	2,700.67	601.85
Belle River.....	45.30	394.1	1,752.4	2,144.07	5,152.67	1,892.32
Belleville.....	34.30	11,017.3	58,468.3	71,536.29	148,352.88	15,155.62
Blenheim.....	43.10	850.2	4,221.2	5,164.66	11,115.95	4,082.34
Bloomfield.....	43.70	228.7	919.6	1,125.14	3,079.55	314.60
Blyth.....	43.85	351.7	1,572.0	1,923.35	4,598.31	1,688.73
Bobcaygeon.....	40.20	317.1	1,283.2	1,570.00	4,111.96	436.21
Bolton.....	41.50	346.2	1,621.5	1,983.91	4,526.40	1,662.32
Bothwell.....	49.75	219.3	905.8	1,108.25	2,867.24	1,053.00
Bowmanville.....	38.80	3,845.7	18,273.6	22,357.85	51,784.07	5,290.23
Bradford.....	41.50	756.5	3,659.1	4,476.93	10,984.19	2,447.86
Braeside.....	36.30	200.6	620.6	759.31	2,701.17	275.95
Brampton.....	34.80	5,016.2	22,949.0	28,078.23	65,584.38	24,085.90
Brantford.....	34.10	26,076.6	133,556.5	163,407.11	340,938.86	125,209.98
Brantford Twp.....	34.80	4,077.0	20,343.7	24,890.63	53,304.79	19,576.21

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges							
Divisional costs including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$	\$
32,029.67	7,308.60	2,436.20	3,291.24	723.24	95,606.05	94,037.30	1,568.75
4,929.00	2,052.90	684.30	924.47	203.14	23,705.46	26,139.61	2,434.15
3,323.29	588.00	196.00	264.79	58.18	8,318.85	8,841.10	522.25
12,112.30		764.30		226.90	28,437.60	32,595.97	4,158.37
12,819.48		886.10	886.10	263.06	33,952.71	36,152.88	2,200.17
8,199.79		633.50		188.07	20,567.62	22,710.65	2,143.03
2,014.43	509.40	169.80	229.39	50.40	6,336.11	8,644.08	2,307.97
30,075.44	4,967.40	1,655.80	2,236.94	491.55	75,477.97	73,517.89	1,960.08
7,679.16	2,486.70	828.90	1,119.82	246.07	29,811.99	31,001.17	1,189.18
722.41		55.30		16.42	1,875.45	2,337.11	461.66
2,781.52	501.30	167.10	225.75	49.60	6,996.93	7,686.22	689.29
34,857.69		2,240.60		665.17	82,649.33	83,349.08	699.75
4,866.66		356.90	356.90	105.95	13,654.54	15,025.12	1,370.58
2,293.32		174.40		51.77	6,046.93	7,055.82	1,008.89
16,464.48	5,910.00	1,970.00	2,661.41	584.83	70,633.39	77,518.19	6,884.80
23,804.97	5,454.00	1,818.00	2,456.06	539.71	73,106.68	71,811.98	1,294.70
4,888.09	1,187.10	395.70	534.58	117.47	14,903.90	15,668.07	764.17
6,204.35	1,679.40	559.80	756.27	166.19	20,368.35	20,655.05	286.70
4,122.16		141.20		41.92	6,870.67	7,372.80	502.13
51,198.36		7,046.20	7,046.20	2,091.83	222,064.96	227,239.68	5,174.72
2,770.98		139.20		41.32	5,661.31	6,582.17	920.86
1,373.91		103.60		30.76	3,536.43	4,116.77	580.34
11,276.35	2,967.90	989.30	1,336.52	293.69	38,204.53	38,088.04	116.49
9,204.07	2,414.70	804.90	1,087.40	238.95	31,146.50	28,976.10	2,170.40
7,932.79		440.10	440.10	130.65	18,149.93	17,692.65	457.28
3,351.36		186.00	186.00	55.22	7,689.37	8,976.50	1,287.13
6,918.31	1,182.30	394.10	532.42	117.00	17,268.35	17,852.70	584.35
98,418.92		11,017.30		3,270.70	347,751.71	377,894.82	30,143.11
13,926.50	2,550.60	850.20	1,148.60	252.40	36,794.05	36,644.69	149.36
4,036.50		228.70		67.89	8,852.38	9,996.00	1,143.62
5,108.39	1,055.10	351.70	475.14	104.41	14,354.85	15,420.19	1,065.34
4,706.57		317.10		94.14	11,235.98	12,748.07	1,512.09
5,136.66	1,038.60	346.20	467.71	102.78	14,329.16	14,365.21	36.05
3,667.34	657.90	219.30	296.27	65.10	9,341.86	10,910.17	1,568.31
39,155.76		3,845.70		1,141.67	123,575.28	149,211.86	25,636.58
9,271.94		756.50	756.50	224.58	27,405.50	31,395.10	3,989.60
3,030.72		200.60		59.55	7,027.30	7,280.57	253.27
43,250.00	15,048.60	5,016.20	6,776.74	1,489.16	175,775.73	174,562.60	1,213.13
143,769.98	78,229.80	26,076.60	35,228.73	7,741.37	850,144.97	889,211.79	39,066.82
23,731.39	12,231.00	4,077.00	5,507.91	1,210.34	133,513.45	141,878.15	8,364.70

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES, For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Brechin.....	42.25	63.1	193.2	236.38	916.20	204.18
Bridgeport.....	38.20	386.5	1,712.0	2,094.64	5,053.30	1,855.83
Brigden.....	45.20	151.4	538.8	659.22	1,979.48	726.97
Brighton.....	40.60	713.0	3,563.7	4,360.21	9,600.86	980.82
Brockville.....	37.80	8,098.1	39,065.4	47,796.73	109,044.54	11,139.91
Bronte.....	37.00	348.1	1,562.9	1,912.22	4,551.24	1,671.44
Brussels.....	45.00	360.5	1,659.0	2,029.80	4,713.36	1,730.98
Burford.....	37.60	428.9	1,759.6	2,152.88	5,607.66	2,059.42
Burgessville.....	40.20	113.1	342.8	419.42	1,478.73	543.06
Burks Falls.....	50.25	183.7	759.9	929.74	2,667.28	594.41
Burlington.....	36.10	2,896.5	14,502.8	17,744.26	37,870.33	13,907.90
Caledonia.....	37.30	587.7	2,848.0	3,484.54	7,683.89	2,821.91
Campbellville.....	42.70	87.4	345.7	422.97	1,142.71	419.66
Cannington.....	41.10	379.7	1,492.3	1,825.84	5,513.15	1,228.62
Cardinal.....	40.30	544.4	2,185.1	2,673.48	7,330.59	748.89
Carleton Place.....	36.30	2,344.5	10,195.1	12,473.76	31,569.74	3,225.14
Casselman.....	42.00	1.4	6.4	7.83	18.85	1.93
Cayuga.....	41.50	223.9	1,018.4	1,246.02	2,927.38	1,075.08
Chatham.....	36.50	11,644.6	56,611.6	69,264.60	152,247.48	55,912.97
Chatsworth.....	42.90	184.0	730.0	893.16	2,671.63	842.28
Chesley.....	38.90	868.9	3,496.5	4,277.99	12,616.22	3,977.47
Chesterville.....	38.90	668.2	3,041.5	3,721.29	8,997.61	919.19
Chippawa.....	33.40	509.2	2,658.4	3,252.57	5,952.94	2,444.99
Clifford.....	44.70	221.0	948.0	1,159.88	2,889.47	1,061.16
Clinton.....	38.80	1,287.9	6,592.0	8,065.35	16,838.67	6,184.01
Cobden.....	33.00	309.5	1,170.7	1,432.36	4,167.56	425.75
Cobourg.....	41.00	3,816.8	18,579.7	22,732.36	51,394.92	5,250.47
Colborne.....	43.30	424.2	2,053.4	2,512.35	5,712.04	583.54
Coldwater.....	45.00	222.5	1,020.0	1,247.98	3,230.65	719.96
Collingwood.....	37.40	4,045.2	17,080.8	20,898.45	58,735.31	13,089.33
Comber.....	47.50	208.9	767.8	939.41	2,731.27	1,003.06
Cookstown.....	42.90	166.6	647.6	792.34	2,418.99	539.08
Cottam.....	45.00	144.4	593.6	726.27	1,887.96	693.35
Courtright.....	44.55	93.9	397.1	485.85	1,227.70	450.87
Creemore.....	39.90	254.2	1,050.2	1,284.93	3,690.92	822.53
Dashwood.....	45.80	181.4	567.2	693.97	2,371.72	871.01
Delaware.....	40.90	148.1	529.3	647.60	1,936.34	711.12
Delhi.....	38.50	1,044.7	4,859.2	5,945.26	13,658.94	5,016.25
Deseronto.....	45.80	491.5	2,379.2	2,910.96	6,618.27	676.12
Dorchester.....	40.20	201.2	863.2	1,056.13	2,630.59	966.09

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges							
Divisional costs, including transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$	\$
1,011.95		63.10	63.10	18.73	2,387.44	2,665.27	277.83
3,614.78	1,159.50	386.50	522.15	114.74	13,757.14	14,764.93	1,007.79
2,879.33	454.20	151.40	204.54	44.95	6,691.01	6,844.79	153.78
10,180.77		713.00		211.67	26,047.33	28,948.13	2,900.80
90,885.40		8,098.10		2,404.08	269,368.76	306,108.14	36,739.38
4,111.08	1,044.30	348.10	470.27	103.34	13,271.45	12,880.93	390.52
5,874.51	1,081.50	360.50	487.03	107.02	15,410.64	16,220.59	809.95
4,852.03	1,286.70	428.90	579.43	127.33	15,935.49	16,127.89	192.40
1,399.29	339.30	113.10	152.79	33.58	4,173.69	4,544.60	370.91
4,553.18		183.70	183.70	54.54	8,799.15	9,228.40	429.25
25,995.73	8,689.50	2,896.50	3,913.09	859.88	104,051.01	104,563.63	512.62
6,405.73	1,763.10	587.70	793.97	174.47	22,127.37	21,919.94	207.43
1,182.51	262.20	87.40	118.07	25.95	3,425.33	3,733.40	308.07
7,092.42		379.70	379.70	112.72	15,772.75	15,605.33	167.42
8,657.19		544.40		161.62	20,116.17	21,937.29	1,821.12
29,496.13		2,344.50		696.01	79,805.28	85,106.24	5,300.96
19.71		1.40		.42	50.14	60.55	10.41
3,065.06	671.70	223.90	302.48	66.47	8,973.13	9,290.46	317.33
99,839.44	34,933.80	11,644.60	15,731.52	3,456.94	411,568.31	425,027.86	13,459.55
2,725.15		184.00	184.00	54.62	7,186.84	7,892.15	705.31
11,169.86		868.90	868.90	257.95	32,299.49	33,798.58	1,499.09
9,656.07		668.20		198.37	24,160.73	25,994.27	1,833.54
3,920.57	1,527.60	509.20	687.91	151.17	17,071.13	17,008.38	62.75
3,188.07	663.00	221.00	298.56	65.61	8,949.63	9,877.57	927.94
14,107.39	3,863.70	1,287.90	1,739.92	382.34	48,989.44	49,969.54	980.10
2,844.72		309.50		91.88	9,271.77	10,212.92	941.15
62,351.99		3,816.80		1,133.09	146,679.63	156,487.78	9,808.15
7,117.45		424.20		125.93	16,475.51	18,368.56	1,893.05
3,667.78		222.50	222.50	66.05	8,932.42	10,014.33	1,081.91
52,644.92		4,045.20	4,045.20	1,200.90	146,568.91	151,289.23	4,720.32
4,041.78	626.70	208.90	282.22	62.02	9,330.92	9,920.35	589.43
2,755.58		166.60	166.60	49.46	6,555.45	7,145.34	589.89
2,252.95	433.20	144.40	195.08	42.87	5,985.92	6,496.11	510.19
1,423.18	281.70	93.90	126.86	27.88	3,864.22	4,182.49	318.27
3,802.98		254.20	254.20	75.46	9,676.82	10,142.90	466.08
3,226.28	544.20	181.40	245.07	53.85	7,697.36	8,307.72	610.36
1,933.67	444.30	148.10	200.08	43.97	5,665.02	6,058.64	393.62
12,392.63	3,134.10	1,044.70	1,411.36	310.14	40,090.66	40,221.90	131.24
9,103.54		491.50		145.91	19,946.30	22,512.59	2,566.29
2,680.47	603.60	201.20	271.82	59.73	7,925.99	8,088.54	162.55

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,
For the Yea

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Drayton.....	42.40	201.5	747.8	914.94	2,634.51	967.53
Dresden.....	43.80	724.8	3,151.0	3,855.27	9,476.41	3,480.22
Drumbo.....	41.00	160.8	569.2	696.42	2,102.38	772.10
Dublin.....	44.80	84.4	417.8	511.18	1,103.49	405.26
Dundalk.....	40.90	344.4	1,264.4	1,547.00	5,000.60	1,576.52
Dundas.....	31.90	3,924.8	16,628.8	20,345.43	51,314.85	18,845.41
Dunnville.....	36.80	2,066.9	9,601.4	11,747.37	27,023.71	9,924.47
Durham.....	40.80	654.2	3,064.1	3,748.94	9,498.82	2,994.66
Dutton.....	44.60	260.5	1,131.6	1,384.52	3,405.91	1,250.82
East York Twp.....	33.40	21,604.3	113,843.5	139,288.15	282,465.72	103,735.69
Eganville.....	44.00	39.9	126.5	154.77	537.27	54.89
Elmira.....	36.10	2,239.9	10,078.9	12,331.59	29,285.60	10,755.15
Elmvale.....	42.40	364.6	1,533.6	1,876.37	5,293.90	1,179.76
Elmwood.....	41.40	145.6	444.2	543.48	2,114.08	666.50
Elora.....	38.90	710.9	2,664.1	3,259.54	9,294.67	3,413.47
Embro.....	38.90	240.3	944.4	1,155.48	3,141.81	1,153.83
Erieau.....	46.25	244.4	1,076.8	1,317.47	3,195.41	1,173.52
Erie Beach.....	46.70	31.0	98.6	120.64	405.31	148.85
Erin.....	44.85	209.8	850.0	1,039.98	3,046.24	960.38
Essex.....	43.90	937.4	4,624.2	5,657.73	12,256.05	4,501.04
Etobicoke Twp.....	35.30	28,855.7	161,672.5	197,807.19	377,274.24	138,554.17
Exeter.....	40.90	1,290.8	5,796.8	7,092.42	16,876.58	6,197.93
Fergus.....	35.80	2,093.5	8,554.1	10,465.99	27,371.49	10,052.20
Finch.....	39.30	164.3	633.0	774.48	2,212.37	226.01
Flesherton.....	36.75	166.0	660.4	808.00	2,298.26	759.88
Fonthill.....	36.10	555.1	2,723.2	3,331.85	7,257.66	2,665.38
Forest.....	47.50	801.5	3,976.8	4,865.64	10,479.22	3,848.50
Forest Hill.....	32.90	8,295.7	43,822.4	53,616.95	108,462.24	43,321.35
Frankford.....	33.90	339.4	1,390.6	1,701.41	4,309.81	466.89
Galt.....	33.00	15,279.2	64,266.7	78,630.66	199,768.11	73,364.95
Georgetown.....	39.50	2,535.8	12,512.4	15,308.99	33,154.35	12,175.95
Glencoe.....	44.90	288.3	1,253.1	1,533.17	3,769.38	1,384.31
Goderich.....	42.20	2,514.5	12,816.1	15,680.57	32,875.86	12,073.68
Grand Valley.....	48.20	299.2	1,072.8	1,312.58	4,344.31	1,369.62
Granton.....	43.40	84.6	286.6	350.66	1,106.10	406.22
Gravenhurst.....	35.60	1,724.7	8,481.0	10,376.55	25,042.22	5,580.73
Grimsby.....	38.20	1,239.7	7,009.0	8,575.55	16,208.47	5,952.57
Guelph.....	33.00	16,200.8	81,802.8	100,086.17	211,817.58	77,790.12
Hagersville.....	36.60	1,238.6	4,702.8	5,753.90	16,194.09	5,947.29
Hamilton.....	32.10	180,784.3	1,057,125.1	1,293,398.36	2,363,666.81	868,057.91

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges							
Divisional costs, including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$	\$
2,757.78	604.50	201.50	272.22	59.82	7,868.36	8,543.95	675.59
12,598.94	2,174.40	724.80	979.18	215.17	31,546.03	31,745.14	199.11
2,566.12	482.40	160.80	217.24	47.74	6,610.72	6,594.50	16.22
1,208.95	253.20	84.40	114.02	25.06	3,477.52	3,782.62	305.10
5,421.98	.....	344.40	344.40	102.24	13,648.34	14,084.59	436.25
19,526.08	11,774.40	3,924.80	5,302.29	1,165.16	121,593.84	125,201.90	3,608.06
29,364.87	6,200.70	2,066.90	2,792.32	613.60	84,149.30	76,060.67	8,088.63
8,372.16	.....	654.20	654.20	194.21	24,808.79	26,690.00	1,881.21
5,269.22	781.50	260.50	351.93	77.33	12,077.87	11,619.01	458.86
106,461.77	64,812.90	21,604.30	29,186.78	6,413.67	695,595.42	721,582.78	25,987.36
946.98	.....	39.90	.....	11.85	1,745.66	1,756.70	11.04
21,750.59	6,719.70	2,239.90	3,026.04	664.96	80,721.45	80,861.90	140.45
6,340.65	.....	364.60	364.60	108.24	14,798.92	15,457.97	659.05
2,082.90	.....	145.60	145.60	43.22	5,450.18	6,026.45	576.27
9,947.62	2,132.70	710.90	960.41	211.05	28,009.54	27,652.39	357.15
2,997.19	720.90	240.30	324.64	71.34	9,156.21	9,349.28	193.07
4,368.29	733.20	244.40	330.18	72.56	10,774.67	11,304.25	529.58
573.77	93.00	31.00	41.88	9.20	1,339.89	1,446.14	106.25
3,246.03	.....	209.80	209.80	62.28	8,354.91	9,407.29	1,052.38
15,821.52	2,812.20	937.40	1,266.40	278.29	40,997.83	41,151.85	154.02
191,340.76	86,567.10	28,855.70	38,983.21	8,566.40	989,982.35	1,018,605.32	28,622.97
19,488.23	3,872.40	1,290.80	1,743.83	383.20	53,457.73	52,791.67	666.06
22,095.29	6,280.50	2,093.50	2,828.26	621.50	76,152.21	74,947.29	1,204.92
2,089.46	.....	164.30	.....	48.78	5,515.40	6,457.97	942.57
1,119.51	.....	166.00	166.00	49.28	5,034.93	6,100.50	1,065.57
4,967.76	1,665.30	555.10	749.92	164.79	19,857.92	20,039.70	181.78
15,122.33	2,404.50	801.50	1,082.80	237.94	36,676.83	38,070.82	1,393.99
39,405.45	24,887.10	8,295.70	11,207.25	2,462.75	269,244.29	272,929.61	3,685.32
4,230.89	.....	339.40	.....	100.76	11,149.16	11,506.81	357.65
81,485.94	45,837.60	15,279.20	20,641.76	4,535.94	478,260.64	504,213.30	25,952.66
32,389.35	7,607.40	2,535.80	3,425.79	752.80	100,498.85	100,165.42	333.43
4,745.55	864.90	288.30	389.48	85.59	12,281.72	12,946.15	664.43
39,988.31	7,543.50	2,514.50	3,397.02	746.48	108,025.88	106,110.49	1,915.39
6,155.61	.....	299.20	299.20	88.82	13,270.94	14,419.42	1,148.48
1,130.15	253.80	84.60	114.29	25.12	3,242.36	3,671.63	429.27
17,287.92	.....	1,724.70	1,724.70	512.01	58,799.43	61,399.62	2,600.19
15,505.61	3,719.10	1,239.70	1,674.80	368.03	49,894.23	47,357.16	2,537.07
82,051.84	48,602.40	16,200.80	21,886.81	4,809.54	519,471.64	534,627.76	15,156.12
12,902.73	3,715.80	1,238.60	1,673.31	367.70	44,446.80	45,330.90	884.10
792,027.53	542,352.90	180,784.30	244,234.35	53,669.48	5,849,722.94	5,799,452.40	50,270.54

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,
For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Hanover.....	34.80	2,253.8	8,732.1	10,683.77	32,724.62	10,316.98
Harriston.....	42.00	825.0	3,636.5	4,449.28	10,786.47	3,961.34
Harrow.....	44.20	822.0	3,371.6	4,125.17	10,747.25	3,946.93
Hastings.....	43.75	207.5	915.0	1,119.51	2,794.08	285.44
Havelock.....	44.40	307.6	1,296.6	1,586.40	4,141.97	423.14
Hensall.....	42.60	402.8	1,579.6	1,932.65	5,266.41	1,934.09
Hespeler.....	34.50	3,711.0	17,494.2	21,404.25	48,519.52	17,818.82
Highgate.....	46.90	133.5	451.6	552.54	1,745.45	641.02
Holstein.....	44.50	55.1	262.5	321.17	800.04	252.23
Huntsville.....	40.10	1,875.7	9,642.4	11,797.53	27,234.70	6,069.33
Ingersoll.....	36.10	4,133.0	17,865.9	21,859.03	54,036.97	19,845.10
Iroquois.....	40.00	465.2	2,146.4	2,626.13	6,264.13	639.94
Jarvis.....	42.80	216.5	1,044.0	1,277.34	2,830.63	1,039.55
Kemptville.....	40.10	891.3	4,227.1	5,171.88	12,001.75	1,226.09
Kincardine.....	42.90	1,207.5	5,821.3	7,122.39	17,532.60	5,527.44
Kingston.....	32.80	22,494.4	121,765.8	148,981.12	302,897.17	30,943.77
Kingsville.....	42.60	1,012.1	4,706.9	5,758.92	13,232.72	4,859.72
Kirkfield.....	44.00	51.7	171.2	209.46	750.67	167.29
Kitchener.....	33.70	36,751.1	184,397.6	225,611.48	480,502.76	176,464.90
Lakefield.....	34.40	943.3	5,027.2	6,150.81	11,568.37	1,297.62
Lambeth.....	40.40	455.3	2,051.0	2,509.41	5,952.83	2,186.18
Lanark.....	40.50	168.1	674.8	825.62	2,263.54	231.24
Lancaster.....	42.85	110.9	461.1	564.16	1,493.32	152.56
La Salle.....	45.60	583.9	2,697.0	3,299.79	7,634.21	2,803.67
Leamington.....	43.50	3,046.0	15,571.3	19,051.57	39,824.97	14,625.74
Lindsay.....	40.00	5,168.0	24,354.4	29,797.74	69,589.43	7,109.21
Listowel.....	40.00	1,939.3	8,334.4	10,197.18	25,355.40	9,311.79
London.....	34.80	46,241.3	266,470.9	326,028.61	604,582.51	222,033.25
London Twp.....	37.50	1,005.7	4,294.0	5,253.73	13,149.04	4,828.99
Long Branch.....	35.50	3,599.4	18,825.5	23,033.10	47,060.40	17,282.96
Lucan.....	40.80	369.6	1,645.4	2,013.16	4,832.34	1,774.68
Lucknow.....	44.90	492.8	2,357.6	2,884.54	7,155.34	2,255.84
Lynden.....	39.40	190.9	697.4	853.27	2,495.92	916.63
Madoc.....	42.20	541.1	2,144.0	2,623.20	7,286.15	744.35
Magnetawan.....	49.60	42.7	165.0	201.88	619.99	138.17
Markdale.....	39.00	346.8	1,529.6	1,871.47	5,035.45	1,587.51
Markham.....	38.80	674.4	2,982.6	3,649.23	8,817.45	3,238.21
Marmora.....	46.25	297.0	1,316.0	1,610.13	3,999.24	408.56
Martintown.....	38.10	80.1	271.4	332.06	1,078.58	110.19
Maxville.....	42.00	225.0	824.8	1,009.15	3,029.73	309.51

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges							
Divisional costs including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$	\$
19,845.41		2,253.80	2,253.80	669.09	74,239.87	78,431.37	4,191.50
10,264.71	2,475.00	825.00	1,114.55	244.92	31,892.17	34,648.25	2,756.08
13,543.67	2,466.00	822.00	1,110.50	244.03	34,784.55	36,331.67	1,547.12
3,553.55		207.50		61.60	8,021.68	9,075.94	1,054.26
5,868.68		307.60		91.32	12,419.11	13,658.55	1,239.44
5,520.71	1,208.40	402.80	544.17	119.58	15,840.47	17,160.34	1,319.87
23,526.70	11,133.00	3,711.00	5,013.45	1,101.69	122,201.53	128,028.04	5,826.51
2,920.30	400.50	133.50	180.35	39.63	6,252.59	6,262.31	9.72
820.31		55.10	55.10	16.36	2,210.11	2,451.21	241.10
27,943.09		1,875.70	1,875.70	556.84	73,601.49	75,216.22	1,614.73
40,004.94	12,399.00	4,133.00	5,583.56	1,226.96	147,921.44	149,201.88	1,280.44
7,642.36		465.20		138.10	17,775.86	18,606.33	830.47
2,884.50	649.50	216.50	292.48	64.27	8,669.81	9,266.56	596.75
12,195.70		891.30		264.60	31,751.32	35,741.12	3,989.80
21,610.93		1,207.50	1,207.50	358.47	52,151.83	51,802.44	349.39
144,387.23		22,494.40		6,677.92	656,381.61	737,816.33	81,434.72
13,231.65	3,036.30	1,012.10	1,367.32	300.46	40,064.55	43,114.73	3,050.18
887.99		51.70	51.70	15.35	2,030.76	2,275.16	244.40
197,215.66	110,253.30	36,751.10	49,649.67	10,910.31	1,188,059.84	1,238,510.92	50,451.08
7,154.30		943.30		280.04	27,394.44	32,449.24	5,054.80
4,356.12	1,365.90	455.30	615.10	135.17	16,345.81	18,395.13	2,049.32
2,327.87		168.10		49.90	5,866.27	6,808.73	942.46
1,375.14		110.90		32.92	3,729.00	4,752.07	1,023.07
10,402.02	1,751.70	583.90	788.83	173.34	25,859.80	26,625.46	765.66
43,871.24	9,138.00	3,046.00	4,115.06	904.27	126,346.73	132,500.99	6,154.26
63,920.64		5,168.00		1,534.23	177,119.25	206,718.33	29,599.08
25,223.28	5,817.90	1,939.30	2,619.94	575.72	75,800.63	77,569.99	1,769.36
312,885.56	138,723.90	46,241.30	62,470.66	13,727.67	1,601,752.14	1,609,197.53	7,445.39
8,680.29	3,017.10	1,005.70	1,358.67	298.56	34,874.74	37,714.37	2,839.63
24,744.31	10,798.20	3,599.40	4,862.68	1,068.55	122,724.24	127,778.70	5,054.46
6,803.52	1,108.80	369.60	499.32	109.72	16,512.50	15,078.66	1,433.84
8,512.89		492.80	492.80	146.30	20,954.91	22,124.82	1,169.91
2,279.52	572.70	190.90	257.90	56.67	7,107.71	7,522.79	415.08
8,960.04		541.10		160.64	20,315.48	22,835.47	2,519.99
1,057.35		42.70	42.70	12.68	2,030.07	2,116.69	86.62
4,874.07		346.80	346.80	102.95	13,471.45	13,523.22	51.77
9,141.59	2,023.20	674.40	911.09	200.21	26,833.20	26,166.06	667.14
5,687.69		297.00		88.17	12,090.79	13,738.17	1,647.38
902.29		80.10		23.78	2,527.00	3,050.20	523.20
3,458.10		225.00		66.80	8,098.29	9,451.75	1,353.46

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,
For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Meaford.....	40.20	1,438.7	6,213.6	7,602.37	20,889.57	6,585.78
Merlin.....	44.20	166.0	635.6	777.66	2,170.37	797.07
Merrickville.....	32.05	336.9	1,386.0	1,695.78	4,131.36	463.45
Merritton.....	32.25	12,085.7	66,775.1	81,699.70	158,014.65	58,030.97
Midland.....	34.60	5,523.6	24,891.7	30,455.13	80,201.32	17,873.08
Mildmay.....	42.10	285.8	1,213.7	1,484.97	4,149.75	1,308.28
Millbrook.....	46.20	227.9	998.1	1,221.18	3,068.78	313.50
Milton.....	35.80	2,263.9	9,021.6	11,037.98	29,599.39	10,870.39
Milverton.....	40.90	671.4	2,258.4	2,763.16	8,778.23	3,223.81
Mimico.....	33.00	4,384.7	22,350.7	27,346.20	57,327.82	21,053.67
Mitchell.....	38.20	1,123.8	5,341.7	6,535.60	14,693.14	5,396.06
Moorefield.....	41.35	101.2	394.6	482.80	1,323.14	485.92
Morrisburg.....	40.70	718.7	3,576.3	4,375.62	9,677.62	988.66
Mount Brydges.....	43.90	190.2	776.0	949.44	2,486.77	913.27
Mount Forest.....	41.90	1,007.1	4,082.4	4,994.84	14,622.85	4,610.09
Napanee.....	39.70	2,068.2	9,837.6	12,036.36	27,849.24	2,845.06
Neustadt.....	40.15	143.9	583.2	713.55	2,089.39	658.72
Newboro.....	40.20	57.3	195.4	239.07	771.57	78.82
Newburgh.....	42.10	120.4	437.7	535.53	1,621.24	165.62
Newbury.....	48.45	77.1	322.8	394.95	1,008.05	370.21
Newcastle.....	41.00	458.3	1,976.0	2,417.65	6,171.21	630.45
New Hamburg.....	38.80	923.3	3,502.8	4,285.70	12,071.70	4,433.34
Newmarket.....	37.15	2,930.8	13,367.9	16,355.70	38,318.78	14,072.59
New Toronto.....	35.10	12,346.9	66,475.7	81,333.38	161,429.71	59,285.15
Niagara.....	31.80	1,265.8	6,813.9	8,336.84	12,919.82	6,077.89
Niagara Falls.....	29.10	13,042.0	70,362.7	86,089.15	154,138.89	62,622.76
North York Twp.....	35.10	43,921.5	233,670.4	285,897.02	574,252.25	226,624.55
Norwich.....	38.80	677.3	2,923.2	3,576.55	8,855.37	3,252.14
Norwood.....	42.70	340.4	1,504.0	1,840.15	4,583.64	468.26
Oakville.....	36.80	3,814.4	18,520.7	22,660.18	49,871.43	18,315.31
Oil Springs.....	49.30	181.0	1,065.4	1,303.52	2,366.49	869.09
Omeme.....	42.70	212.5	946.2	1,157.68	2,861.41	292.32
Orangeville.....	42.80	1,430.3	6,563.4	8,030.36	20,767.61	6,547.33
Orono.....	42.65	213.7	864.0	1,057.11	2,877.57	293.97
Oshawa.....	36.80	29,776.4	147,668.5	180,673.22	400,952.56	40,961.05
Ottawa.....	28.00	64,758.8	321,080.0	392,843.14	849,600.04	89,083.58
Otterville.....	41.50	200.5	939.4	1,149.36	2,621.44	962.73
Owen Sound.....	36.10	8,780.2	38,931.8	47,633.27	127,486.35	40,192.18
Paisley.....	44.00	254.0	1,056.0	1,292.02	3,688.02	1,162.71
Palmerston.....	40.70	791.8	3,931.2	4,809.84	10,352.40	3,801.92

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges							
Divisional costs, including trans-formation, transmission, and distribution	Frequency standard-ization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$	\$
20,154.17		1,438.70	1,438.70	427.11	55,659.00	57,833.68	2,174.68
2,809.36	498.00	166.00	224.26	49.28	7,043.48	7,336.83	293.35
3,474.08		336.90		100.02	10,201.59	10,796.30	594.71
55,820.00	36,257.10	12,085.70	16,327.43	3,587.88	389,168.57	389,763.29	594.72
55,370.38		5,523.60	5,523.60	1,639.79	185,539.70	191,115.11	5,575.41
3,443.66		285.80	285.80	84.85	10,471.51	12,030.42	1,558.91
3,632.76		227.90		67.66	8,531.78	10,528.93	1,997.15
23,386.84	6,791.70	2,263.90	3,058.46	672.08	81,563.82	81,048.81	515.01
10,293.48	2,014.20	671.40	907.04	199.32	27,036.56	27,461.60	425.04
22,660.77	13,154.10	4,384.70	5,923.60	1,301.69	141,305.35	144,694.25	3,388.90
12,357.62	3,371.40	1,123.80	1,518.22	333.62	42,293.02	42,927.55	634.53
1,257.57	303.60	101.20	136.72	30.04	3,847.55	4,186.34	338.79
10,596.02		718.70		213.36	26,569.98	29,251.42	2,681.44
2,426.71	570.60	190.20	256.95	56.46	7,336.50	8,351.60	1,015.10
13,128.29		1,007.10	1,007.10	298.98	37,655.05	42,195.38	4,540.33
31,241.90		2,068.20		613.99	76,654.75	82,107.52	5,452.77
1,734.88		143.90	143.90	42.72	5,239.26	5,776.23	536.97
651.69		57.30		17.01	1,815.46	2,301.43	485.97
1,743.78		120.40		35.74	4,222.31	5,069.87	847.56
1,495.58	231.30	77.10	104.16	22.89	3,495.92	3,735.09	239.17
7,294.97		458.30		136.06	17,108.64	18,788.94	1,680.30
12,191.98	2,769.90	923.30	1,247.35	274.10	35,702.67	35,822.43	119.76
21,617.89	8,792.40	2,930.80	3,959.43	870.07	98,998.80	108,879.83	9,881.03
74,863.17	37,040.70	12,346.90	16,680.30	3,665.43	413,284.14	433,377.35	20,093.21
5,986.32	3,797.40	1,265.80	1,710.06	375.78	37,049.79	40,252.43	3,202.64
29,919.67	39,126.00	13,042.00	17,619.36	3,871.78	371,190.89	379,521.94	8,331.05
265,457.87	131,764.50	43,921.50	59,336.67	13,038.99	1,481,620.01	1,541,645.80	60,025.79
8,889.41	2,031.90	677.30	915.01	201.07	26,568.73	26,277.29	291.44
6,067.36		340.40		101.05	13,400.86	14,536.85	1,135.99
31,966.80	11,443.20	3,814.40	5,153.14	1,132.38	134,050.56	140,369.00	6,318.44
3,460.73	543.00	181.00	244.53	53.73	8,533.03	8,924.91	391.88
3,090.97		212.50		63.08	7,677.96	9,074.44	1,396.48
24,595.20		1,430.30	1,430.30	424.61	60,365.11	61,216.13	851.02
3,063.04		213.70		63.44	7,568.83	9,113.23	1,544.40
255,473.59		29,776.40		8,839.73	916,676.55	1,095,772.74	179,096.19
301,176.38		64,758.80		19,224.96	1,716,686.90	1,813,247.57	96,560.67
2,457.83	601.50	200.50	270.87	59.52	7,782.01	8,322.46	540.45
64,451.42		8,780.20	8,780.20	2,606.58	282,369.80	316,966.13	34,596.33
4,299.15		254.00	254.00	75.41	10,517.31	11,177.09	659.78
7,914.21	2,375.40	791.80	1,069.70	235.06	29,210.93	32,225.90	3,014.97

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,
For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Paris.....	34.30	2,438.7	11,085.7	13,563.41	31,884.82	11,709.72
Parkhill.....	45.70	461.5	1,996.2	2,442.36	6,033.89	2,215.95
Parry Sound.....	42.05	724.1	2,888.0	3,533.48	10,513.75	2,343.02
Penetanguishene.....	36.30	1,553.7	7,439.2	9,101.90	22,559.34	5,027.41
Perth.....	35.50	2,462.5	10,192.0	12,469.97	33,158.67	3,387.47
Peterborough.....	32.80	23,514.1	121,014.5	148,061.91	316,627.88	32,346.50
Petrolia.....	46.25	1,055.1	5,666.1	6,932.50	13,794.92	5,066.19
Picton.....	38.80	2,171.9	10,609.5	12,980.78	29,245.61	2,987.71
Plattsville.....	42.10	291.7	925.4	1,132.23	3,813.84	1,400.63
Point Edward.....	41.85	2,593.0	9,592.8	11,736.84	33,902.21	12,450.61
Port Colborne.....	35.50	3,525.6	19,809.3	24,236.79	46,095.51	16,928.60
Port Credit.....	36.10	2,032.1	11,308.4	13,835.89	26,568.72	9,757.38
Port Dalhousie.....	35.25	1,187.8	6,902.4	8,445.12	15,529.91	5,703.37
Port Dover.....	40.00	872.4	4,315.2	5,279.67	11,406.21	4,188.94
Port Elgin.....	45.50	742.2	3,276.0	4,008.20	10,776.56	3,397.49
Port Hope.....	40.80	4,401.9	21,658.4	26,499.17	59,273.55	6,055.35
Port McNicoll.....	35.00	1,241.6	2,814.0	3,442.94	18,027.73	4,017.53
Port Perry.....	41.00	596.3	2,630.9	3,218.92	8,658.13	1,929.49
Port Rowan.....	44.90	175.4	715.6	875.54	2,293.27	842.20
Port Stanley.....	41.40	755.2	3,930.8	4,809.36	9,873.87	3,626.19
Prescott.....	38.70	1,625.2	7,157.0	8,756.63	21,884.05	2,235.66
Preston.....	32.60	6,010.1	23,813.6	29,136.07	78,579.13	28,858.23
Priceville.....	49.31	18.7	66.5	81.36	271.52	85.60
Princeton.....	43.40	161.6	666.8	815.83	2,112.84	775.94
Queenston.....	32.80	209.0	1,054.8	1,290.55	2,444.00	1,003.54
Renfrew.....	38.05	1,764.8	7,500.7	9,177.15	23,763.82	2,427.70
Richmond.....	37.90	198.7	814.4	996.42	2,675.58	273.34
Richmond Hill.....	37.40	1,084.2	5,313.8	6,501.46	14,175.39	5,205.92
Ridgetown.....	44.50	692.6	3,241.7	3,966.24	9,055.41	3,325.60
Ripley.....	45.75	164.1	664.4	812.90	2,382.69	751.18
Riverside.....	41.50	2,863.4	14,623.0	17,891.32	37,437.56	13,748.97
Rockwood.....	40.20	244.1	1,070.6	1,309.88	3,191.49	1,172.08
Rodney.....	47.50	242.5	1,150.8	1,408.01	3,170.57	1,164.39
Rousseau.....	43.25	49.6	181.6	222.19	720.18	160.49
Russell.....	38.45	139.4	548.5	671.09	1,877.08	191.76
St. Catharines.....	31.40	32,609.4	157,046.5	192,147.26	425,352.05	156,578.02
St. Clair Beach.....	43.60	193.5	856.8	1,048.30	2,529.92	929.11
St. George.....	39.30	249.5	1,010.0	1,235.74	3,262.09	1,198.00
St. Jacobs.....	36.10	379.8	1,528.0	1,869.52	4,965.70	1,823.66
St. Mary's.....	36.70	2,215.9	10,920.3	13,361.05	28,971.81	10,339.91

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges							
Divisional costs including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$	\$
15,365.73	7,316.10	2,438.70	3,294.61	723.98	79,707.85	83,645.97	3,938.12
7,308.27	1,384.50	461.50	623.47	137.01	19,360.01	21,090.93	1,730.92
12,519.86		724.10	724.10	214.96	29,125.07	30,450.14	1,325.07
21,099.97		1,553.70	1,553.70	461.25	58,249.87	56,399.59	1,850.28
26,556.34		2,462.50		731.04	78,765.99	87,418.43	8,652.44
179,120.32		23,514.10		6,980.64	706,651.35	771,262.47	64,611.12
18,244.14	3,165.30	1,055.10	1,425.41	313.23	47,145.97	48,797.20	1,651.23
28,384.10		2,171.90		644.77	76,414.87	84,269.07	7,854.20
4,498.53	875.10	291.70	394.08	86.60	11,704.55	12,281.62	577.07
28,894.25	7,779.00	2,593.00	3,503.07	769.78	94,622.62	108,517.04	13,894.42
25,717.82	10,576.80	3,525.60	4,762.98	1,046.65	123,364.79	125,157.00	1,792.21
15,691.29	6,096.30	2,032.10	2,745.31	603.27	71,839.64	73,359.12	1,519.48
10,408.28	3,563.40	1,187.80	1,604.68	352.62	43,585.82	41,868.77	1,717.05
10,127.19	2,617.20	872.40	1,178.59	258.99	33,572.01	34,896.04	1,324.03
13,396.74		742.20	742.20	220.34	31,799.33	33,771.98	1,972.65
68,767.03		4,401.90		1,306.79	166,303.79	179,595.82	13,292.03
14,717.25		1,241.60	1,241.60	368.59	40,574.04	43,454.83	2,880.79
9,638.95		596.30	596.30	177.02	23,622.51	24,448.30	825.79
2,881.96	526.20	175.40	236.96	52.07	7,409.68	7,874.29	464.61
11,084.75	2,265.60	755.20	1,020.25	224.20	31,618.92	31,264.57	354.35
23,615.66		1,625.20		482.47	58,599.67	62,894.58	4,294.91
32,501.38	18,030.30	6,010.10	8,119.47	1,784.22	186,779.96	195,929.79	9,149.83
373.81		18.70	18.70	5.55	817.84	922.08	104.24
2,406.32	484.80	161.60	218.32	47.97	6,586.98	7,011.63	424.65
1,101.78	627.00	209.00	282.35	62.05	6,455.57	6,854.63	399.06
20,668.85		1,764.80		523.92	58,326.24	67,150.95	8,824.71
1,713.54		198.70		58.99	5,916.57	7,529.14	1,612.57
13,280.58	3,252.60	1,084.20	1,464.72	321.87	42,357.30	40,549.38	1,807.92
12,918.22	2,077.80	692.60	935.68	205.61	31,305.80	30,822.15	483.65
2,977.07		164.10	164.10	48.72	6,972.56	7,507.19	534.63
39,734.16	8,590.20	2,863.40	3,868.37	850.06	117,247.30	118,831.09	1,583.79
3,455.07	732.30	244.10	329.77	72.47	9,847.62	9,813.79	33.83
5,392.97	727.50	242.50	327.61	71.99	11,850.32	11,517.15	333.17
824.06		49.60	49.60	14.72	1,941.64	2,146.27	204.63
1,294.88		139.40		41.38	4,215.59	5,360.56	1,144.97
150,804.08	97,828.20	32,609.40	44,054.35	9,680.76	1,021,945.42	1,023,934.36	1,988.94
2,914.39	580.50	193.50	261.41	57.44	7,991.75	8,436.23	444.48
3,108.00	748.50	249.50	337.07	74.07	9,538.83	9,806.32	267.49
5,184.66	1,139.40	379.80	513.10	112.75	14,962.39	13,711.06	1,251.33
13,926.88	6,647.70	2,215.90	2,993.62	657.83	73,427.46	81,321.70	7,894.24

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
St. Thomas.....	36.10	9,230.3	51,202.2	62,646.17	120,681.68	44,320.41
Sarnia.....	40.60	17,835.4	110,204.8	134,836.18	233,189.18	85,638.85
Scarborough Twp.....	36.10	24,267.3	129,405.5	158,328.34	317,283.15	116,522.41
Seaforth.....	37.35	1,102.7	4,721.9	5,777.27	14,417.27	5,294.75
Shelburne.....	44.40	537.9	2,248.0	2,750.44	7,810.18	2,462.29
Simcoe.....	34.40	3,767.0	18,002.3	22,025.91	49,251.69	18,087.71
Smith's Falls.....	33.60	4,485.2	20,323.8	24,866.28	60,395.23	6,169.94
Smithville.....	37.20	395.1	1,404.8	1,718.78	5,165.74	1,897.12
Southampton.....	44.90	807.1	3,521.5	4,308.57	11,718.89	3,694.58
Springfield.....	43.70	131.2	577.0	705.96	1,715.38	629.97
Stamford Twp.....	28.40	6,761.8	34,134.6	41,763.87	79,723.17	32,467.61
Stayner.....	38.20	525.7	2,181.2	2,668.71	7,633.04	1,701.04
Stirling.....	34.30	566.1	2,369.4	2,898.97	7,622.79	778.74
Stoney Creek.....	34.90	871.3	4,388.6	5,369.48	11,391.82	4,183.65
Stouffville.....	39.50	866.6	3,424.0	4,189.28	11,330.37	4,161.09
Stratford.....	35.00	10,139.3	51,725.5	63,286.43	132,566.42	48,685.09
Strathroy.....	38.85	1,992.7	9,985.5	12,217.31	26,053.58	9,568.19
Streetsville.....	36.80	858.3	3,972.5	4,860.38	11,221.86	4,121.23
Sunderland.....	41.50	244.3	888.0	1,086.47	3,547.18	790.50
Sundridge.....	52.20	68.0	175.3	214.48	987.34	220.03
Sutton.....	42.50	586.2	2,592.8	3,172.31	7,664.28	2,814.71
Swansea.....	36.70	3,818.9	20,723.5	25,355.32	49,930.26	18,336.92
Tara.....	44.90	206.3	791.9	968.89	2,995.43	944.36
Tavistock.....	38.00	794.5	3,265.1	3,994.87	10,387.70	3,814.89
Tecumseh.....	42.90	807.9	3,971.2	4,858.79	10,562.90	3,879.23
Teeswater.....	44.90	302.1	1,429.6	1,749.12	4,386.42	1,382.89
Thamesford.....	40.75	326.2	1,344.0	1,644.39	4,264.91	1,566.29
Thamesville.....	43.70	423.0	1,662.4	2,033.96	5,530.52	2,031.09
Theftford.....	48.00	233.0	1,017.1	1,244.43	3,046.36	1,118.78
Thornbury.....	45.15	304.2	951.8	1,164.53	4,416.91	1,392.50
Thorndale.....	41.40	168.6	631.4	772.52	2,204.36	809.55
Thornton.....	38.55	64.3	212.8	260.36	933.62	208.06
Thorold.....	34.70	5,176.8	31,385.6	38,400.45	67,684.14	24,857.04
Tilbury.....	42.70	1,151.3	5,240.3	6,411.54	15,052.69	5,528.11
Tillsonburg.....	37.20	2,666.9	11,963.6	14,637.53	34,868.42	12,805.45
Toronto.....	33.10	404,527.5	2,320,219.0	2,838,800.70	5,289,000.36	2,119,905.34
Toronto Twp.....	36.10	10,724.0	55,132.1	67,454.43	140,211.08	51,492.60
Tottenham.....	43.75	213.7	927.9	1,135.29	3,102.87	691.48
Trafalgar Twp.....	37.90	1,926.6	8,948.7	10,948.78	25,189.36	9,250.81
Trenton.....	29.70	7,019.3	36,083.2	44,147.99	89,311.77	9,655.90

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges							
Divisional costs including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$	\$
63,632.75	27,690.90	9,230.30	12,469.87	2,740.20	318,472.54	333,213.81	14,741.27
159,287.49	53,506.20	17,835.40	24,095.11	5,294.80	665,492.99	724,117.89	58,624.90
157,599.14	72,801.90	24,267.30	32,784.42	7,204.24	821,222.06	876,050.72	54,828.66
8,039.57	3,308.10	1,102.70	1,489.72	327.36	36,777.30	41,184.29	4,406.99
9,887.95		537.90	537.90	159.69	23,070.55	23,884.61	814.06
23,380.74	11,301.00	3,767.00	5,089.11	1,118.31	123,843.25	129,584.51	5,741.26
30,300.66		4,485.20		1,331.52	127,548.83	150,702.44	23,153.61
5,179.01	1,185.30	395.10	533.77	117.29	15,124.57	14,697.72	426.85
14,120.00		807.10	807.10	239.60	34,081.64	36,238.40	2,156.76
1,765.67	393.60	131.20	177.25	38.95	5,203.48	5,731.96	528.48
15,729.12	20,285.40	6,761.80	9,135.00	2,007.38	189,603.35	192,035.60	2,432.25
7,804.93		525.70	525.70	156.06	19,963.78	20,083.00	119.22
5,946.91		566.10		168.06	17,981.57	19,415.78	1,434.21
7,090.39	2,613.90	871.30	1,177.10	258.66	30,602.10	30,408.35	193.75
10,943.78	2,599.80	866.60	1,170.75	257.27	33,177.44	34,230.02	1,052.58
60,389.13	30,417.90	10,139.30	13,697.90	3,010.06	334,796.43	354,874.32	20,077.89
15,501.81	5,978.10	1,992.70	2,692.08	591.57	69,211.18	77,417.68	8,206.50
7,235.17	2,574.90	858.30	1,159.54	254.80	29,967.10	31,585.74	1,618.64
3,927.28		244.30	244.30	72.53	9,423.96	10,140.16	716.20
1,799.05		68.00	68.00	20.19	3,241.09	3,546.99	305.90
7,526.91	1,758.60	586.20	791.94	174.03	22,905.10	24,912.79	2,007.69
20,626.12	11,456.70	3,818.90	5,159.22	1,133.72	125,498.72	140,153.90	14,655.18
3,438.43		206.30	206.30	61.24	8,408.35	9,261.72	853.37
9,139.51	2,383.50	794.50	1,073.35	235.86	29,677.48	30,191.96	514.48
12,345.63	2,423.70	807.90	1,091.45	239.84	34,026.54	34,658.91	632.37
5,558.63		302.10	302.10	89.68	13,166.74	13,564.66	397.92
5,502.95	978.60	326.20	440.69	96.84	13,939.49	12,902.02	1,037.47
8,469.40	1,269.00	423.00	571.46	125.58	19,311.09	18,484.71	826.38
4,408.37	699.00	233.00	314.78	69.17	10,504.33	11,185.20	680.87
4,610.18		304.20	304.20	90.31	11,674.43	13,733.51	2,059.08
2,241.24	505.80	168.60	227.77	50.05	6,524.35	6,980.37	456.02
743.74		64.30	64.30	19.09	2,164.87	2,480.04	315.17
24,251.93	15,530.40	5,176.80	6,993.71	1,536.84	170,443.89	179,634.07	9,190.18
21,263.39	3,453.90	1,151.30	1,555.37	341.79	51,647.35	49,160.13	2,487.22
17,496.69	8,000.70	2,666.90	3,602.90	791.72	87,664.51	99,206.82	11,542.31
1,721,705.56	1,213,582.50	404,527.50	546,504.93	120,092.18	13,161,109.21	13,389,859.08	228,749.87
69,408.66	32,172.00	10,724.00	14,487.81	3,183.64	360,158.60	387,136.40	26,977.80
3,680.73		213.70	213.70	63.44	8,673.81	9,349.72	675.91
23,444.97	5,779.80	1,926.60	2,602.78	571.95	74,509.49	73,016.23	1,493.26
36,657.71		7,019.30		2,083.82	188,876.49	208,474.16	19,597.67

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,
For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Tweed	45.00	610.3	2,520.9	3,084.33	8,217.96	839.54
Uxbridge	42.40	722.3	3,257.0	3,984.96	10,487.62	2,337.19
Victoria Harbour	44.60	169.6	700.0	856.45	2,462.55	548.79
Walkerton	35.50	1,568.5	6,350.4	7,769.75	22,545.73	7,179.95
Wallaceburg	39.50	7,084.0	37,084.4	45,372.97	92,619.85	34,014.69
Wardsville	48.70	106.9	463.0	566.48	1,397.67	513.29
Warkworth	41.70	154.9	594.8	727.74	2,085.80	213.08
Waterdown	37.50	558.8	2,593.6	3,173.28	7,306.04	2,683.15
Waterford	37.50	625.7	2,673.0	3,270.43	8,180.72	3,004.38
Waterloo	33.40	8,615.0	39,370.2	48,169.66	112,636.94	41,365.98
Watford	42.45	618.6	2,395.2	2,930.54	8,087.89	2,970.28
Waubashene	40.45	196.8	822.0	1,005.72	2,857.49	636.80
Welland	31.40	12,218.5	60,466.7	73,981.34	159,750.95	58,668.62
Wellesley	41.10	246.5	900.6	1,101.89	3,222.87	1,183.60
Wellington	40.00	389.8	1,522.1	1,862.30	5,248.83	536.22
West Lorne	43.50	704.6	2,549.6	3,119.45	9,212.30	3,383.22
Weston	34.10	6,082.6	31,271.3	38,260.61	79,527.04	31,785.11
Westport	40.85	202.7	836.4	1,023.34	2,729.45	278.84
Wheatley	46.90	451.0	1,883.7	2,304.72	5,896.61	2,165.53
Whitby	36.10	2,508.7	12,850.4	15,722.54	33,780.76	3,451.02
Warton	46.70	647.2	3,469.6	4,245.07	9,397.19	2,962.62
Williamsburg	43.20	145.4	607.6	743.40	1,957.88	200.02
Winchester	39.30	629.4	2,707.5	3,312.64	8,475.15	865.82
Windermere	40.75	96.6	343.4	420.15	1,402.61	312.58
Windsor	37.70	61,856.3	304,097.3	372,064.72	808,741.04	297,010.58
Wingham	42.60	1,199.6	6,167.0	7,545.41	17,417.90	5,491.28
Woodbridge	35.00	1,519.5	7,833.6	9,584.45	19,866.72	7,959.66
Woodstock	33.80	10,162.7	51,408.5	62,898.58	132,872.36	48,797.45
Woodville	46.80	132.0	491.4	601.23	1,916.61	427.13
Wyoming	45.15	210.8	754.5	923.13	2,756.11	1,012.18
York Twp.	32.90	34,399.3	188,714.3	230,892.98	449,754.12	179,790.77
Zurich	45.30	234.6	854.7	1,045.73	3,067.28	1,126.46
Ontario Central Reformatory ..	36.10	322.6	1,485.5	1,817.52	4,217.84	1,549.00
Total—Municipalities		1,574,381.4	8,354,030.9	10,221,202.68	20,695,623.63	6,959,232.78
Total—Rural Power District		251,354.3	1,169,904.4	1,431,384.46	3,350,452.31	991,373.81
Total—Companies		590,943.6	5,021,977.0	5,209,580.92	7,748,663.98	2,517,307.98
Total—Local Distribution Systems		4,333.8	21,307.9	26,070.32	58,691.76	9,903.79
Grand Total		2,421,013.1	14,567,220.2	16,888,238.38	31,853,431.68	10,477,818.36

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges							
Divisional costs including transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$	\$
10,603.74		610.30		181.18	23,537.05	27,463.85	3,926.80
12,034.68		722.30	722.30	214.43	29,058.88	30,623.39	1,564.51
3,232.82		169.60	169.60	50.35	7,150.96	7,563.03	412.07
15,950.17		1,568.50	1,568.50	465.64	53,911.24	55,683.22	1,771.98
72,397.84	21,252.00	7,084.00	9,570.28	2,103.03	265,274.10	279,816.02	14,541.92
2,082.73	320.70	106.90	144.42	31.74	4,875.09	5,208.03	332.94
2,283.80		154.90		45.99	5,511.31	6,461.06	949.75
5,455.00	1,676.40	558.80	754.92	165.89	20,263.64	20,956.55	692.91
6,906.38	1,877.10	625.70	845.30	185.75	23,205.16	23,465.30	260.14
50,687.92	25,845.00	8,615.00	11,638.62	2,557.54	278,239.42	287,740.15	9,500.73
9,011.34	1,855.80	618.60	835.71	183.64	24,822.38	26,258.86	1,436.48
3,338.07		196.80	196.80	58.42	7,896.50	7,959.54	63.04
62,068.53	36,655.50	12,218.50	16,506.84	3,627.31	390,463.91	383,660.62	6,803.29
3,283.88	739.50	246.50	333.01	73.18	9,518.41	10,131.47	613.06
5,938.48		389.80		115.72	14,091.35	15,590.67	1,499.32
14,825.62	2,113.80	704.60	951.89	209.17	32,616.27	30,650.45	1,965.82
34,874.43	18,247.80	6,082.60	8,217.42	1,805.74	202,365.91	207,417.80	5,051.89
2,469.54		202.70		60.18	6,764.05	8,278.59	1,514.54
8,405.99	1,353.00	451.00	609.29	133.89	20,101.45	21,153.47	1,052.02
25,385.51		2,508.70		744.76	81,593.29	90,564.66	8,971.37
9,611.01		647.20	647.20	192.13	26,408.02	30,224.23	3,816.21
2,464.22		145.40		43.16	5,554.08	6,282.72	728.64
9,070.67		629.40		186.85	22,540.53	24,736.72	2,196.19
1,262.90		96.60	96.60	28.68	3,426.92	3,937.82	510.90
607,976.07	185,568.90	61,856.30	83,566.07	18,363.30	2,268,014.84	2,331,986.28	63,971.44
18,742.27		1,199.60	1,199.60	356.13	49,552.99	51,101.51	1,548.52
14,397.27	4,558.50	1,519.50	2,052.80	451.09	56,284.39	53,182.78	3,101.61
60,173.84	30,488.10	10,162.70	13,729.51	3,017.00	334,680.52	343,499.81	8,819.29
2,537.98		132.00	132.00	39.19	5,522.14	6,178.77	656.63
3,856.64	632.40	210.80	284.78	62.58	9,169.06	9,518.33	349.27
149,096.44	103,197.90	34,399.30	46,472.46	10,212.13	1,110,871.18	1,131,738.32	20,867.14
3,833.71	703.80	234.60	316.94	69.65	9,764.29	10,627.75	863.46
1,911.75	967.80	322.60	435.82	95.77	10,446.46	11,644.33	1,197.87
10,113,977.00	3,882,453.00	1,574,381.40	1,806,594.86	467,387.00	52,107,662.63	53,908,607.07	1,800,944.44
2,884,829.59	489,199.80	251,354.30	255,290.65	74,619.61	9,217,923.23	9,217,923.23	
3,008,649.10	2,928,758.32	590,943.60		631,152.27	21,372,751.63	21,372,751.63	
148,917.05	2,237.10	7,934.80		89,145.66	342,900.48	342,900.48	
16,156,372.74	7,302,648.22	2,424,614.10	2,061,885.51		83,041,237.97	84,842,182.41	1,800,944.44

Notes on Cost of Power Statement

SOUTHERN ONTARIO SYSTEM

1. The items shown under the heading "Share of power purchased, operating costs, and fixed charges" total \$75,375,861.16 as follows:—

Power supply—based on energy.....	\$16,888,238.38
—based on peak load.....	31,853,431.68
Bulk transmission.....	10,477,818.36
Divisional costs including transformation, transmission, and distribution.....	16,156,372.74
	<u>\$75,375,861.16</u>

This total includes the following items of cost shown in the statement of operations:—

Cost of power purchased.....	\$13,102,985.12
Interchange of power with Northern Ontario Properties.....	301,165.74
Operating, maintenance and administrative expenses.....	24,510,214.34
Interest.....	24,147,336.54
Provision for depreciation.....	6,570,514.26
Provision for sinking fund.....	6,743,645.16
	<u>\$75,375,861.16</u>

2. Frequency standardization interest and portion of cost written off are as follows:—

Interest.....	\$948,355.22
Portion of cost written off.....	6,354,293.00
	<u>\$7,302,648.22</u>

This represents a charge to all customers in the Niagara Division at the rate of \$3 per kilowatt on the average monthly peak load supplied amounting to \$5,852,498.10, and an amount equal to the revenue from the export of 60-cycle surplus energy amounting to \$1,450,150.12. The latter amount is included in the \$2,928,758.32 shown as charged to companies.

3. The provision for contingencies consists of a charge of \$1 per kilowatt on the average monthly peak load supplied to all customers in the Southern Ontario System and \$3,601 additional for the distribution facilities of the local systems. In 1951 and prior years the "normal" provision for contingencies was based on the book value of the fixed assets in service, and this provision was included under the category "Share of power purchased, operating costs, and fixed charges". The 1952 provision of \$1 per kilowatt aggregates approximately the same amount as a provision computed on the basis followed in prior years.

4. The withdrawal of \$2,061,885.51 from stabilization of rates reserve was credited as follows: (a) \$1,968,658.71 to all municipal customers and the Rural Power District in the Niagara Division at the rate of \$1.35 per kilowatt of the average monthly peak load supplied, and (b) \$93,226.80 to all municipal customers and the Rural Power District in the Georgian Bay Division at the rate of \$1 per kilowatt of the average monthly peak load supplied.

5. The method of allocating the cost of power supplied to each customer, which was adopted in 1951, was followed in 1952 with the following exceptions:—

(a) The provision for contingencies was computed in relation to the peak load supplied, as mentioned in note 3 above, rather than as a percentage of the fixed assets in service.

(b) The allocation of the costs of low-voltage lines was made on the basis of an average rate per kilowatt per mile rather than as a variable charge dependent upon the size of the load.

6. Interchange of power between the Southern Ontario System and Northern Ontario Properties shown in the statement of operations amounting to \$301,166 represents the cost of 123,928,000 kilowatt-hours of energy transferred to the Southern Ontario System, less the cost of 18,128,500 kilowatt-hours of energy transferred to the Northern Ontario Properties. The cost was determined on the basis of the average annual cost of generating energy and the cost of the facilities used for the interchange.

SOUTHERN ONTARIO SYSTEM

SINKING FUND

Statement showing amount paid as part of the cost of power by each municipality, together with the proportionate share of other sinking funds provided out of revenues of the system, and interest allowed thereon to December 31, 1952

Municipality	Period of years to Dec. 31, 1952	Amount	Municipality	Period of years to Dec. 31, 1952	Amount
		\$			\$
Acton.....	35	194,900.91	Brechin.....	33	15,462.41
Agincourt.....	29	33,162.53	Bridgeport.....	25	20,629.91
Ailsa Craig.....	32	33,687.86	Brigden.....	30	26,547.97
Alexandria.....	28	69,217.12	Brighton.....	23	39,519.82
Alliston.....	29	64,417.74	Brockville.....	32	507,391.32
Almonte.....	8	13,598.16	Bronte.....	1	1,424.57
Alvinston.....	29	33,660.23	Brussels.....	29	33,785.33
Amherstburg.....	29	149,292.75	Burford.....	32	36,075.87
Ancaster Twp.....	29	49,930.32	Burgessville.....	31	12,779.52
Apple Hill.....	28	7,611.98	Burks Falls.....	3	1,858.26
Arkona.....	26	16,154.45	Burlington.....	8	53,207.54
Arnprior.....	14	61,482.18	Caledonia.....	35	56,362.58
Arthur.....	31	44,782.11	Campbellville.....	28	7,547.27
Athens.....	24	17,166.51	Cannington.....	33	36,912.60
Aurora.....	10	51,916.33	Cardinal.....	23	23,906.23
Aylmer.....	29	124,282.89	Carleton Place.....	28	201,208.55
Ayr.....	33	38,101.35	Casselman.....	1	5.41
Baden.....	35	76,081.08	Cayuga.....	28	25,940.33
Bancroft.....	3	2,368.31	Chatham.....	32	1,001,696.62
Barrie.....	34	429,220.03	Chatsworth.....	32	12,802.23
Barry's Bay.....	3	1,358.21	Chesley.....	31	88,207.12
Bath.....	21	6,840.40	Chesterville.....	33	61,409.04
Beachville.....	35	101,605.85	Chippawa.....	31	41,939.38
Beamsville.....	16	29,314.11	Clifford.....	29	19,687.18
Beaverton.....	33	48,023.17	Clinton.....	33	117,082.58
Beeton.....	29	34,007.53	Cobden.....	17	10,440.53
Belle River.....	30	30,261.50	Cobourg.....	21	179,011.31
Belleville.....	24	555,150.36	Colborne.....	20	18,481.58
Blenheim.....	32	94,021.97	Coldwater.....	34	32,100.59
Bloomfield.....	24	17,604.19	Collingwood.....	34	337,498.40
Blyth.....	29	26,688.78	Comber.....	32	39,746.95
Bobcaygeon.....	7	6,030.40	Cookstown.....	29	13,996.14
Bolton.....	32	41,536.01	Cottam.....	26	12,666.04
Bothwell.....	32	37,450.98	Courtright.....	29	13,466.16
Bowmanville.....	21	214,520.98	Creemore.....	33	27,725.25
Bradford.....	29	48,328.26	Dashwood.....	30	21,052.94
Braeside.....	8	5,132.17	Delaware.....	32	9,651.41
Brampton.....	36	422,768.48	Delhi.....	15	37,318.81
Brantford.....	33	2,361,019.01	Deseronto.....	32	25,261.13
Brantford Twp.....	29	138,128.74	Dorchester.....	33	18,863.02

SOUTHERN ONTARIO SYSTEM

SINKING FUND PAYMENTS BY MUNICIPALITIES

(continued)

Municipality	Period of years to Dec. 31, 1952	Amount	Municipality	Period of years to Dec. 31, 1952	Amount
		\$			\$
Drayton.....	29	30,305.12	Hanover.....	31	197,679.35
Dresden.....	32	80,462.48	Harriston.....	31	84,551.11
Drumbo.....	33	16,712.74	Harrow.....	29	73,910.92
Dublin.....	30	12,786.39	Hastings.....	22	12,861.54
Dundalk.....	32	32,279.04	Havelock.....	24	29,542.71
Dundas.....	36	349,574.76	Hensall.....	31	41,311.19
Dunnville.....	30	165,851.10	Hespeler.....	36	310,185.40
Durham.....	32	71,925.74	Highgate.....	31	21,458.64
Dutton.....	32	45,156.47	Holstein.....	31	6,184.47
East York Twp.....	28	923,426.91	Huntsville.....	31	156,743.98
Eganville.....	1	145.95	Ingersoll.....	36	446,470.79
Elmira.....	34	190,651.72	Iroquois.....	13	12,508.32
Elmvale.....	34	34,583.87	Jarvis.....	29	35,443.10
Elmwood.....	29	11,413.42	Kemptville.....	28	54,965.70
Elora.....	33	86,529.07	Kincardine.....	28	112,297.13
Embro.....	33	26,851.71	Kingston.....	15	669,840.28
Erieau.....	29	20,419.96	Kingsville.....	29	103,921.31
Erie Beach.....	28	4,139.77	Kirkfield.....	28	7,345.60
Erin.....	3	1,850.30	Kitchener.....	36	3,278,824.44
Essex.....	29	85,006.31	Lakefield.....	24	40,885.48
Etobicoke Twp.....	30	886,618.96	Lambeth.....	32	25,435.31
Exeter.....	31	111,639.54	Lanark.....	28	16,324.30
Fergus.....	33	172,208.95	Lancaster.....	28	13,673.88
Finch.....	25	12,668.23	La Salle.....	27	41,627.29
Flesherton.....	32	15,160.09	Leamington.....	29	250,541.44
Fonthill.....	27	22,103.72	Lindsay.....	24	308,202.18
Forest.....	30	88,983.14	Listowel.....	31	201,804.56
Forest Hill.....	29	554,250.80	London.....	36	5,673,963.08
Frankford.....	4	3,057.53	London Twp.....	28	61,459.97
Galt.....	36	1,367,365.34	Long Branch.....	22	120,551.59
Georgetown.....	34	268,140.35	Lucan.....	32	42,198.06
Glencoe.....	29	48,008.44	Lucknow.....	28	52,590.81
Goderich.....	33	298,720.06	Lynden.....	32	27,959.60
Grand Valley.....	31	29,780.47	Madoc.....	23	26,558.45
Granton.....	31	17,432.74	Magnetawan.....	2	274.74
Gravenhurst.....	32	96,106.20	Markdale.....	31	26,449.42
Grimsby.....	11	36,245.57	Markham.....	29	51,832.28
Guelph.....	36	1,594,447.43	Marmora.....	24	16,856.96
Hagersville.....	34	173,293.85	Martintown.....	28	5,509.41
Hamilton.....	36	13,624,317.67	Maxville.....	28	22,555.80

SOUTHERN ONTARIO SYSTEM

SINKING FUND PAYMENTS BY MUNICIPALITIES

(continued)

Municipality	Period of years to Dec. 31, 1952	Amount	Municipality	Period of years to Dec. 31, 1952	Amount
		\$			\$
Meaford	28	89,469.89	Paris	33	263,184.04
Merlin	29	25,310.25	Parkhill	29	47,571.33
Merrickville	3	2,249.36	Parry Sound	5	9,383.39
Merritton	31	596,715.83	Penetanguishene	36	150,799.82
Midland	34	517,496.02	Perth	28	182,802.93
Mildmay	20	13,337.03	Peterborough	24	1,064,270.38
Millbrook	14	7,261.33	Petrolia	31	222,254.19
Milton	34	234,303.32	Picton	24	151,437.88
Milverton	31	92,927.49	Plattsville	33	24,724.88
Mimico	35	350,831.03	Point Edward	30	182,288.45
Mitchell	36	110,954.75	Port Colborne	31	302,708.02
Moorefield	29	14,712.01	Port Credit	35	114,032.92
Morrisburg	15	19,055.70	Port Dalhousie	31	98,307.66
Mount Brydges	32	18,280.28	Port Dover	29	70,963.13
Mount Forest	32	85,130.73	Port Elgin	22	46,833.57
Napanee	23	125,916.71	Port Hope	23	211,694.93
Neustadt	29	13,728.52	Port McNicoll	33	20,246.00
Newboro	4	721.57	Port Perry	28	46,959.73
Newburgh	4	1,207.28	Port Rowan	26	18,096.09
Newbury	29	10,228.64	Port Stanley	35	101,418.95
Newcastle	16	13,879.65	Prescott	33	131,320.80
New Hamburg	36	113,691.33	Preston	36	592,237.01
Newmarket	8	58,581.38	Priceville	28	2,300.87
New Toronto	33	1,184,720.72	Princeton	33	23,411.64
Niagara	29	83,439.52	Queenston	29	16,602.85
Niagara Falls	32	1,269,311.70	Renfrew	8	25,441.51
North York Twp.	29	932,413.88	Richmond	25	10,019.69
Norwich	35	82,861.90	Richmond Hill	28	60,468.69
Norwood	24	18,363.47	Ridgetown	32	98,759.03
Oakville	4	46,635.85	Ripley	28	19,903.58
Oil Springs	29	50,461.53	Riverside	30	210,850.71
Omeme	13	9,078.22	Rockwood	34	26,290.48
Orangeville	31	116,436.69	Rodney	30	32,123.64
Orono	14	6,529.52	Rosseau	22	9,452.65
Oshawa	24	1,613,494.47	Russell	27	13,947.15
Ottawa	37	1,225,416.39	St. Catharines	31	1,920,287.41
Otterville	31	21,402.69	St. Clair Beach	30	17,105.91
Owen Sound	32	605,521.57	St. George	32	32,155.89
Paisley	28	26,923.85	St. Jacobs	30	40,898.53
Palmerston	31	101,309.52	St. Mary's	36	296,265.19

SOUTHERN ONTARIO SYSTEM
SINKING FUND PAYMENTS BY MUNICIPALITIES
(concluded)

Municipality	Period of years to Dec. 31, 1952	Amount	Municipality	Period of years to Dec. 31, 1952	Amount
		\$			\$
St. Thomas.....	36	1,139,157.24	Tweed.....	22	33,819.83
Sarnia.....	31	1,521,412.99	Uxbridge.....	28	52,585.40
Scarborough Twp....	29	660,623.52	Victoria Harbour....	33	15,443.13
Seaforth.....	36	142,084.98	Walkerton.....	22	74,508.34
Shelburne.....	31	46,963.40	Wallaceburg.....	32	530,366.00
Simcoe.....	32	289,662.49	Wardsville.....	29	9,659.55
Smith's Falls.....	29	277,575.58	Warkworth.....	24	10,756.69
Smithville.....	12	12,775.22	Waterdown.....	36	50,615.89
Southampton.....	22	45,497.30	Waterford.....	32	73,852.00
Springfield.....	30	19,810.46	Waterloo.....	36	673,847.67
Stamford Twp.....	31	273,485.76	Watford.....	30	61,508.57
Stayner.....	34	41,878.82	Waubauskene.....	33	12,846.76
Stirling.....	23	27,138.55	Welland.....	30	846,539.99
Stoney Creek.....	6	11,814.90	Wellesley.....	31	34,290.48
Stouffville.....	29	49,081.47	Wellington.....	24	28,629.05
Stratford.....	36	1,302,488.06	West Lorne.....	31	61,310.34
Strathroy.....	33	212,677.37	Weston.....	36	578,575.73
Streetsville.....	18	22,092.37	Westport.....	21	15,541.32
Sunderland.....	33	23,554.87	Wheatley.....	29	38,092.88
Sundridge.....	1	330.51	Whitby.....	24	146,565.60
Sutton.....	29	46,969.09	Warton.....	22	45,740.67
Swansea.....	27	250,635.70	Williamsburg.....	32	14,615.95
Tara.....	29	20,939.57	Winchester.....	33	50,151.86
Tavistock.....	31	104,675.40	Windermere.....	23	7,319.16
Tecumseh.....	30	68,333.56	Windsor.....	33	7,180,890.61
Teeswater.....	28	30,630.14	Wingham.....	28	103,153.44
Thamesford.....	33	40,613.60	Woodbridge.....	33	90,146.75
Thamesville.....	32	41,763.60	Woodstock.....	36	989,801.38
Theford.....	29	24,515.90	Woodville.....	33	21,156.80
Thornbury.....	8	5,285.76	Wyoming.....	31	20,381.34
Thorndale.....	33	19,730.70	York Twp.....	32	2,030,625.17
Thornton.....	29	7,819.29	Zurich.....	30	30,647.67
Thorold.....	30	275,799.12			
Tilbury.....	32	128,932.19			
Tillsonburg.....	36	218,354.16			
Toronto.....	36	44,104,866.50	Total—Municipalities...		\$126,297,387.39
Toronto Twp.....	34	392,207.34	Total—Rural Power Dis-		
Tottenham.....	29	25,404.49	trict		16,767,008.75
Trafalgar Twp.....	16	48,628.65			
Trenton.....	21	301,639.30	Grand Total.....		\$143,064,396.14

NORTHERN ONTARIO PROPERTIES

FIXED ASSETS—December 31, 1952

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
GENERATING STATIONS	\$	\$	\$	\$
Northeastern Division				
Abitibi River				
Abitibi Canyon.....	2,414.59	5,530,862.63	13,561,032.07	19,094,309.29
Frederick House Dam.....	47,553.45	141,588.49	753,775.35	942,917.29
Coral, Otter, Sextant, and Nine Mile Rapids... ..	216,171.07			216,171.07
Watabeag Lake Dam.....		6,983.63	64,565.68	71,549.31
Desserat Lake Diversion.....		4,220.89	34,471.80	38,692.69
Mississagi River				
George W. Rayner.....	1,054.12	1,740,000.00	16,599,827.17	18,340,881.29
Aubrey Falls.....	43,893.66			43,893.66
Rocky Island Storage Dam.....		1,445,009.58	1,703,681.72	3,148,691.30
Mattagami River				
Wawaitin.....			1,449,013.71	1,449,013.71
Lower Sturgeon.....	126,802.36	53,250.00	779,363.56	959,415.92
Sandy Falls.....			861,201.77	861,201.77
Storage dams.....		1,944.00	288,648.68	290,592.68
Intangible.....		990,681.44		990,681.44
Montreal River				
Upper Notch.....	14,896.39	15,900.17	2,354,804.71	2,385,601.27
Hound Chute.....		3,240.00	649,015.72	652,255.72
Indian Chute.....	111,917.77		441,937.54	553,855.31
Fountain Falls.....			547,522.56	547,522.56
Ragged Chute.....			959,172.00	959,172.00
Storage dams.....			178,471.78	178,471.78
Wanapitei River				
Stinson.....		33,000.00	666,741.01	699,741.01
Coniston.....		15,092.20	773,171.41	788,263.61
McVittie.....	15.56	13,323.00	461,470.07	474,808.63
Storage dam.....		25.00	194,870.00	194,895.00
Intangible.....		830,514.53		830,514.53
Matabitchuan River				
Matabitchuan.....	38,154.96	3,240.00	704,543.05	745,938.01
Storage dams.....		14,374.75	134,545.12	148,919.87
Sturgeon River				
Crystal Falls and storage dams.....	110,734.19	49,654.27	1,213,130.81	1,373,519.27
South River				
Nipissing.....		13,549.37	242,343.26	255,892.63
Elliott Chute.....		119,307.09	334,834.33	454,141.42
Bingham Chute.....		12,105.05	284,339.49	296,444.54
Storage dams.....			76,122.70	76,122.70
Intangible.....		69,478.34		69,478.34
Kagawong River				
Kagawong.....		43,396.98	167,129.57	210,526.55
Whitefish River				
Whitefish Falls.....	10,813.27			10,813.27

NORTHERN ONTARIO PROPERTIES

FIXED ASSETS—December 31, 1952

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
	\$	\$	\$	\$
Northwestern Division				
Nipigon River				
Pine Portage	412,061.31	2,630,000.00	24,269,817.44	27,311,878.75
Cameron Falls		857,418.84	9,688,610.53	10,546,029.37
Alexander	7,659.83	80,379.73	7,122,850.10	7,210,889.66
Virgin Falls Dam		55,450.41	431,190.80	486,641.21
Aguasabon River				
Aguasabon		937,004.94	11,744,511.89	12,681,516.83
Kaministiquia River				
Kakabeka Falls		518,603.86	3,681,569.63	4,200,173.49
English River				
Ear Falls	33,229.61	566.75	3,759,976.84	3,793,773.20
Manitou Falls	48,021.04			48,021.04
Albany River				
Rat Rapids		39,297.44	914,214.37	953,511.81
Winnipeg River				
Boundary Falls	20,745.72			20,745.72
Intangible—Rainy River		4,086.32		4,086.32
	1,246,138.90	16,273,549.70	108,092,488.24	125,612,176.84
TRANSFORMER STATIONS				
Northeastern Division	1,173,195.59		11,415,548.84	12,588,744.43
Northwestern Division	542,341.14		4,040,867.92	4,583,209.06
	1,715,536.73		15,456,416.76	17,171,953.49
TRANSMISSION LINES				
Northeastern Division	1,424,687.21	2,035,744.69	14,839,992.27	18,300,424.17
Northwestern Division	376,001.08	1,519,250.28	12,819,669.55	14,714,920.91
	1,800,688.29	3,554,994.97	27,659,661.82	33,015,345.08
LOCAL SYSTEMS				
Northeastern Division	41,242.14	1,245.72	1,948,411.32	1,990,899.18
Northwestern Division	23,295.46		406,838.43	430,133.89
	64,537.60	1,245.72	2,355,249.75	2,421,033.07
COMMUNICATIONS				
Northern Ontario Properties ..	154,732.73		2,647,018.49	2,801,751.22
Total	4,981,634.25	19,829,790.39	156,210,835.06	181,022,259.70
RURAL POWER DISTRICT				
H-E.P.C. investment	740,466.85	4,299.62	9,556,637.71	10,301,404.18
Provincial assistance	733,237.46		9,411,564.17	10,144,801.63
Total—Rural Power District	1,473,704.31	4,299.62	18,968,201.88	20,446,205.81

NORTHERN ONTARIO PROPERTIES

ADMINISTRATIVE BUILDINGS AND SERVICE BUILDINGS AND EQUIPMENT

FIXED ASSETS—December 31, 1952

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
OFFICE AND SERVICE BUILDING Northeastern Division.....	\$ 104.45	\$ 10,450.00	\$ 198,498.34	\$ 209,052.79
OFFICE AND SERVICE EQUIPMENT	.....	.....	471,407.46	471,407.46
Total.....	104.45	10,450.00	669,905.80	680,460.25

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario
in trust for the Province of Ontario and the municipalities
supplied with power at cost

FIXED ASSETS—Summary, December 31, 1952

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
Power system.....	\$ 4,981,634.25	\$ 19,829,790.39	\$ 156,210,835.06	\$ 181,022,259.70
Administrative buildings and service buildings and equip- ment.....	104.45	10,450.00	669,905.80	680,460.25
Rural Power District.....	1,473,704.31	4,299.62	18,968,201.88	20,446,205.81
Total fixed assets.....	6,455,443.01	19,844,540.01	175,848,942.74	202,148,925.76
Less assistance for construction —Province of Ontario for Rural Power District.....	.....	.....	.....	10,144,801.63
				192,004,124.13

NORTHERN ONTARIO

STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Property	Balance at Jan. 1, 1952(1)	Expenditures during 1952
GENERATING STATIONS	\$	\$
Northeastern Division	57,885,996.84	489,705.94
Northwestern Division	66,778,142.26	543,471.02
	124,664,139.10	1,033,176.96
TRANSFORMER STATIONS		
Northeastern Division	11,218,723.84	1,463,360.04
Northwestern Division	4,229,049.43	351,874.21
	15,447,773.27	1,815,234.25
TRANSMISSION LINES		
Northeastern Division	16,588,011.46	1,788,555.60
Northwestern Division	14,592,812.07	158,593.26
	31,180,823.53	1,947,148.86
LOCAL SYSTEMS		
Northeastern Division	1,899,767.46	164,812.87
Northwestern Division	340,407.83	113,658.89
	2,240,175.29	278,471.76
COMMUNICATIONS	2,106,155.92	728,266.13
Sub-total	175,639,067.11	5,802,297.96
RURAL POWER DISTRICT		
H-E.P.C. investment	8,069,051.69	2,346,762.40
Provincial assistance	7,933,118.97	2,326,092.54
	16,002,170.66	4,672,854.94
Total—Northern Ontario Properties	191,641,237.77	10,475,152.90
OFFICE AND SERVICE BUILDINGS	208,778.44	4,347.61
OFFICE AND SERVICE EQUIPMENT	385,239.13	86,168.33
Total—Office Buildings and Service Buildings and Equipment	594,017.57	90,515.94
Total	192,235,255.34	10,565,668.84
Less assistance for construction—Province of Ontario for Rural Power District	7,933,118.97	2,211,682.66
	184,302,136.37	8,353,986.18

(1) At January 1, 1952 the fixed assets of the Thunder Bay System were transferred to the Northern Ontario Properties in accordance with The Power Commission Amendment Act, 1953, as follows:

Power system	\$74,262,526.80
Service equipment	84,345.91
Office equipment	86,574.18
Less assistance for construction, Rural Power District. . .	1,261,601.81

PROPERTIES

During Year Ended December 31, 1952

Adjustment for equipment relocated and reclassified	Retirements		Balance at Dec. 31, 1952
	Values recovered (stores, sales, and salvage)	Charged to reserves for depreciation and contingencies(2)	
\$	\$	\$	\$
.....	.....	20,793.34	58,354,909.44
.....	.....	64,345.88	67,257,267.40
.....	.....	85,139.22	125,612,176.84
23,754.00	646.32	68,939.13	12,588,744.43
23,754.00	660.00	20,808.58	4,583,209.06
.....	1,306.32	89,747.71	17,171,953.49
26,497.78	25,648.52	76,992.15	18,300,424.17
54,635.20	17,981.52	73,138.10	14,714,920.91
81,132.98	43,630.04	150,130.25	33,015,345.08
12,629.29	53,830.42	7,221.44	1,990,899.18
.....	7,054.82	16,878.01	430,133.89
12,629.29	60,885.24	24,099.45	2,421,033.07
1,942.80	442.21	34,171.42	2,801,751.22
70,446.49	106,263.81	383,288.05	181,022,259.70
35,223.25	52,867.71	26,318.95	10,301,404.18
35,223.24	52,867.70	26,318.94	10,144,801.63
70,446.49	105,735.41	52,637.89	20,446,205.81
.....	211,999.22	435,925.94	201,468,465.51
.....	.....	4,073.26	209,052.79
.....	.....	.....	471,407.46
.....	.....	4,073.26	680,460.25
.....	211,999.22	439,999.20	202,148,925.76
.....	.....	.....	10,144,801.63
.....	211,999.22	439,999.20	192,004,124.13

(2) Retirements charged to reserves for depreciation and contingencies:

Depreciation reserve	\$225,805.98
Contingencies reserve	214,193.22
Total	\$439,999.20

NORTHERN ONTARIO
STATEMENTS OF RESERVES—

Depreciation

	Power system	Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balance at January 1, 1952 . . .	10,260,035.95	401,614.80	33,010.41	10,694,661.16
Add:				
Transfer of reserves from Thunder Bay System at January 1, 1952	7,536,443.91	137,884.62	37,215.23	7,711,543.76
Amortization of mine-load and steam-load equipment —transferred from reserve for contingencies	1,172,929.90			1,172,929.90
Adjusted balance at January 1, 1952	18,969,409.76	539,499.42	70,225.64	19,579,134.82
Add:				
Interest at 4% per annum on reserve balances	711,859.20	21,579.97		733,439.17
Provision in the year				
—direct	1,672,624.39	166,385.44		1,839,009.83
—indirect	4,315.06	1,022.95	46,641.48	51,979.49
Adjustments re transfer of equipment	5,531.07	2,187.52		7,718.59
	21,363,739.48	730,675.30	116,867.12	22,211,281.90
Deduct:				
Amounts withdrawn for renewals	3,356.80	5,941.43		2,585.13
Amounts withdrawn on assets retired	203,176.35	18,556.37	4,073.26	225,805.98
Excess depreciation accumu- lated on assets retired— transferred to contingency reserve	9,465.99			9,465.99
Balance at December 31, 1952	21,154,453.44	706,177.50	112,793.86	21,973,424.80

Stabilization of Rates

	Province of Ontario	Municipalities supplied with power at cost	Total
	\$	\$	\$
Transfer of reserves from Thunder Bay System at January 1, 1952	720,070.48	576,278.86	1,296,349.34
Interest at 4% on reserve balances	28,802.83	23,051.15	51,853.98
Withdrawals in year		57,334.90	57,334.90
Balance at December 31, 1952	748,873.31	541,995.11	1,290,868.42

PROPERTIES

December 31, 1952

Contingencies and Obsolescence

	Province of Ontario	Municipalities supplied with power at cost	Northern Ontario Properties	Total
	\$	\$	\$	\$
Balance at January 1, 1952			3,841,707.10	3,841,707.10
Add:				
Transfer of reserves from Thunder Bay System at January 1, 1952	1,393,316.56	1,296,659.99	4,865,968.69	7,555,945.24
Amortization of mine-load and steam-load equipment —transferred to reserve for depreciation			1,172,929.90	1,172,929.90
Adjusted balance at January 1, 1952	1,393,316.56	1,296,659.99	7,534,745.89	10,224,722.44
Add:				
Interest at 4% per annum on reserve balances	55,732.66	51,866.40	301,389.85	408,988.91
Provision in the year				
—direct			633,495.82	633,495.82
—indirect			2,658.95	2,658.95
Excess depreciation accumu- lated on assets retired— transferred from deprecia- tion reserve			9,465.99	9,465.99
Adjustments re transfer of equipment			721.67	721.67
Deduct:	1,449,049.22	1,348,526.39	8,482,478.17	11,280,053.78
Contingencies met with during year			127,186.17	127,186.17
Excess of cost of fixed assets retired over accumulated depreciation			214,193.22	214,193.22
Loss on sale of power to companies	549,841.56			549,841.56
Balance at December 31, 1952	899,207.66	1,348,526.39	8,141,098.78	10,388,832.83

Sinking Fund

	Province of Ontario	Municipalities supplied with power at cost	Total
	\$	\$	\$
Balance at January 1, 1952	25,352,084.96		25,352,084.96
Transfer of reserves from Thunder Bay System at January 1, 1952	220,095.88	7,971,308.43	8,191,404.31
Adjusted balance at January 1, 1952	25,572,180.84	7,971,308.43	33,543,489.27
Interest at 4% per annum on reserve balance	957,395.73	318,852.34	1,276,248.07
Provision in the year—direct	1,687,240.81	221,669.58	1,908,910.39
—indirect	3,367.84		3,367.84
Balance at December 31, 1952	28,220,185.22	8,511,830.35	36,732,015.57

NORTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,
For the Year

	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
Municipalities supplied with power at cost:	\$	kw	'000 kwh	\$	\$	\$
Fort William.....	31.50	26,426.6	161,537.4	209,522.32	418,317.39	.....
Nipigon Twp.....	34.50	644.6	3,301.6	4,282.34	10,203.64	.....
Port Arthur.....	31.50	28,628.1	147,589.7	191,431.43	453,165.83	.....
Red Rock Imp. Dist.	32.10	370.2	1,755.2	2,276.58	5,860.05	.....
Schreiber Twp.....	48.95	461.9	2,483.2	3,220.84	7,723.74	.....
Terrace Bay Imp. Dist.....	38.15	803.5	4,628.8	6,003.79	13,442.61	.....
Total—Municipalities..		57,334.9	321,295.9	416,737.30	908,713.26	.....
Province of Ontario:						
Rural Power District.....		18,543.4	85,886.4	99,968.63	355,326.59	73,535.74
Other Customers.....		370,916.2	2,913,295.2	3,286,884.52	6,019,909.15	1,532,442.89
Total.....		389,459.6	2,999,181.6	3,386,853.15	6,375,235.74	1,605,978.63
Grand Total.....		446,794.5	3,320,477.5	3,803,590.45	7,283,949.00	1,605,978.63

Notes on Cost of Power Statement

NORTHERN ONTARIO PROPERTIES

1. The items shown under the heading "Share of power purchased, operating costs, and fixed charges" total \$17,622,796.32 as follows:—

Power supply—based on energy.....	\$3,803,590.45
—based on peak load.....	7,283,949.00
Bulk transmission.....	1,605,978.63
Divisional costs including transformation, transmission, and distribution.....	4,929,278.24
	<u>\$17,622,796.32</u>

This total includes the following items of cost shown in the statement of operations:—

Cost of power purchased.....	\$46,134.86
Interchange of power with Southern Ontario System.....	301,165.74
Operating, maintenance and administrative expenses.....	7,797,104.84
Interest.....	6,332,802.14
Provision for depreciation.....	1,839,009.83
Provision for sinking fund.....	1,908,910.39
	<u>\$17,622,796.32</u>

2. The provision for contingencies consists of a charge of \$446,794.50 based on \$1 per kilowatt on the average monthly peak load supplied to all customers, and charges of \$20,315.88 to local systems and \$166,385.44 to the Rural Power District for their distribution facilities based on the book value of the fixed assets in service. In 1951 and prior years the provision for contingencies was based on the book value of the fixed assets in service. The 1952 provision would have been \$400,000 greater if it had been based on the capital in service, as in previous years.

PROPERTIES

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges						
Divisional costs including transformation, transmission, and distribution	Provision for contingencies	Withdrawal from stabilization of rates reserve	Withdrawal from contingencies reserve	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$
200,784.52	26,426.60	26,426.60	.....	828,624.23	832,437.36	3,813.13
4,270.36	644.60	644.60	.....	18,756.34	22,240.12	3,483.78
202,075.45	28,628.10	28,628.10	.....	846,672.71	901,785.92	55,113.21
2,486.23	370.20	370.20	.....	10,622.86	11,882.62	1,259.76
4,494.18	461.90	461.90	.....	15,438.76	22,612.05	7,173.29
4,439.24	803.50	803.50	.....	23,885.64	30,652.24	6,766.60
418,549.98	57,334.90	57,334.90	.....	1,744,000.54	1,821,610.31	77,609.77
1,494,611.72	184,928.84	.....	.....	2,208,371.52	1,726,406.05	481,965.47
3,016,116.54	391,232.08	.....	549,841.56	13,696,743.62	13,719,228.68	22,485.06
4,510,728.26	576,160.92	.....	549,841.56	15,905,115.14	15,445,634.73	459,480.41
4,929,278.24	633,495.82	57,334.90	549,841.56	17,649,115.68	17,267,245.04	381,870.64

3. The withdrawal from stabilization of rates reserve was credited to all municipalities supplied with power at cost at the rate of \$1 per kilowatt on the average monthly peak load supplied.

4. The withdrawal from the reserve for contingencies of \$549,841.56 credited to the operating accounts of the "Province of Ontario, Other customers" represents the net loss on the supply of power to the paper companies in the Thunder Bay District. This net loss consists of \$849,296.47 representing the loss on the supply of primary power under the terms of the existing contracts, less the revenue of \$299,454.91 from the supply of surplus energy for use in steam boilers.

5. The method adopted in 1951 for allocating the cost of power supplied to municipalities of the former Thunder Bay System was applied in 1952 on the same basis to these municipalities which now form part of the Northern Ontario Properties, with the following exceptions:—

(a) The provision for contingencies was computed in 1952 in relation to the peak load supplied, as stated in note 2 above, rather than as a percentage of the fixed assets in service,

(b) the power supply and divisional costs of the former Thunder Bay System and the former Rainy River and Patricia Districts of the Northern Ontario Properties were pooled, and

(c) the loss on the sale of power to companies in the former Thunder Bay System was charged in 1952 to the reserve for contingencies held for the Province of Ontario, while in 1951 this loss was charged to the reserve for contingencies held for the former Thunder Bay System.

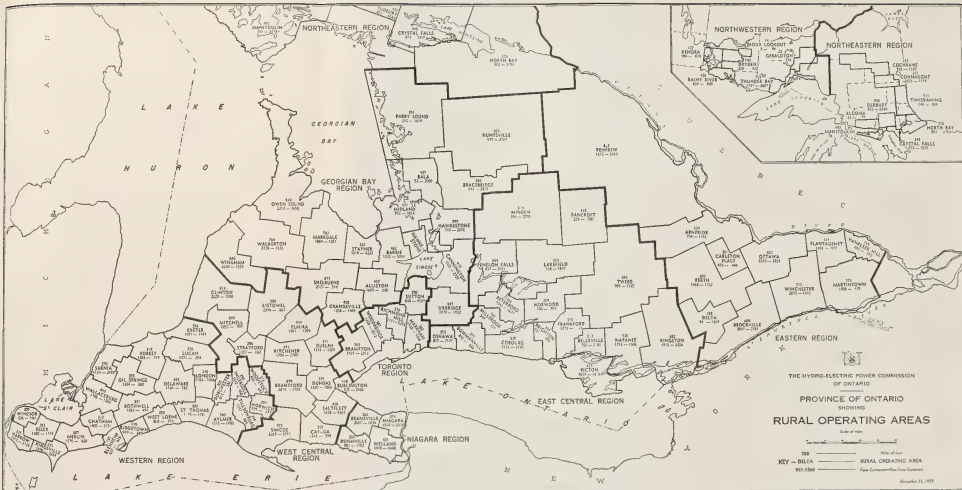
6. The deduction of \$301,166 designated in the statement of operations as "Interchange of power with Southern Ontario System" represents the amount by which the cost of energy transferred to the Southern Ontario System exceeded the cost of the energy transferred to the Northern Ontario Properties. The energy supplied to the Southern Ontario System amounted to 123,928,000 kilowatt-hours, while the energy transferred to the Northern Ontario Properties was 18,128,500 kilowatt-hours. This energy is not included in the cost of power statement in the total of "Energy supplied during the year—3,320,477,500 kilowatt-hours".

NORTHERN ONTARIO PROPERTIES

SINKING FUND

Payments by municipalities supplied with power at cost, and by the Province of Ontario, and interest allowed thereon to December 31, 1952

	Period of years to December 31, 1952	Amount
		\$
Municipalities supplied with power at cost:		
Fort William.....	26	2,786,929.88
Nipigon Twp.....	26	46,019.01
Port Arthur.....	26	5,620,144.20
Red Rock Imp. Dist.....	5	13,840.04
Schreiber Twp.....	4	14,825.37
Terrace Bay Imp. Dist.....	5	30,071.85
Total—Municipalities supplied with power at cost....		8,511,830.35
Total—Province of Ontario.....		28,220,185.22
Grand Total.....		36,732,015.57



APPENDIX III—RURAL

Classes of Service—Rate Structure—

Summary Tabulations of Customers and Miles of Line

Power is delivered in wholesale quantities by the Commission to 106 rural operating areas in the amalgamated Rural Power District, and within the Rural Power District the retail customers are served as farm, hamlet, commercial, summer, or industrial power service customers. These are defined below and the rates applicable to each follow.

For farm, hamlet, commercial, and summer service a uniform rural rate structure applies. Rates for rural industrial power service vary with the locality served. The rates for service in the uniform group were established on May 1, 1950, but the number of classes within each class of service was reduced in 1952. Rates for the industrial power service group went into effect on November 1, 1952.

Descriptions of Main Classes of Hydro Rural Service

Farm Service

Farm service means service rendered to lands and buildings thereon used for the production of food or industrial crops on that land, and shall include electrical service to all farm buildings and equipment located on the farm used for farm purposes, including that required for processing the products of the customer's farm.

Service may be supplied under one farm contract to all dwellings or separate domestic establishments located on the farm property and occupied by persons who are engaged in the operation of the farm.

Additional dwellings or domestic establishments located on a farm property, and occupied by persons not engaged in the operation of the farm shall be classed as hamlet service. Small properties of five acres and less shall be classed as hamlet services except under special circumstances when a farm classification may be applied.

Commercial Service

Commercial service means service to business or community establishments including schools, churches, public halls, hospitals, hotels, motels, offices, stores, garages, small manufacturing and processing establishments, sign and display lighting, etc.

Hamlet Service

Hamlet service means service to a domestic establishment or residence in a community served as part of a rural operating area. This class shall include isolated non-farm residences.

Summer Service

Summer service is applicable to properties normally used during the summer months only.

Industrial Power Service

Power service covers 3-phase service to power users, such as creameries, cheese factories, chopping mills, industries, and special loads which cannot be supplied as commercial single-phase service.

Uniform Rural Rate Structure

The farm, hamlet, and commercial service rates are on a monthly basis and consist essentially of a three-step consumption charge subject to a minimum bill. The summer service rates are on an annual basis and consist of an annual fixed charge plus a consumption charge.

The number of kilowatt-hours at the first and second rates and the minimum bill are dependent on the classification of the contract and its demand rating.

In each billing period the kilowatt-hour rates are as follows:

4.4¢ gross per kilowatt-hour for the first block of kilowatt-hours.

2.1¢ gross per kilowatt-hour for the next block of kilowatt-hours.

1.1¢ gross per kilowatt-hour for all remaining kilowatt-hours.

The number of kilowatt-hours supplied at each of the above rates, and the minimum bill for each class and contract rating are shown in the following tabulation.

All rates quoted are gross and are subject to a prompt payment discount of 10 per cent.

RATES TO CUSTOMERS IN RURAL OPERATING AREAS

Farm, Hamlet, Commercial, and Summer Service

Prompt Payment Discount 10 per cent

		Kilowatt-hours billed at			
Class	Rating	first rate 4.4 cents	second rate 2.1 cents	third rate 1.1 cents	min bill per month (gross)
(number per month)					
Farm.....	F35	60	180	All additional	\$2.25
	F50	100	300		3.75
	FD	20 per kw of demand	60 per kw of demand		0.75 per kw of demand
Hamlet.....	H20	60	80	All additional	1.67
	H35	60	180		2.25
	H50	80	300		3.75
	HD	20 per kw of demand	60 per kw of demand		0.75 per kw of demand
Commercial ..	C20	60	120	All additional	1.50
	C35	90	180		2.25
	C50	150	300		3.75
	CD	30 per kw of demand	60 per kw of demand		0.75 per kw of demand
(number per annum)					
Summer.....	S20	150	450	All additional	\$16.67
	S35	225	675		22.22
	S50	375	1,125		25.00
	SD	75 per kw of demand	225 per kw of demand		5.00 per kw of demand

RATES TO CUSTOMERS IN RURAL OPERATING AREAS

Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas by regions	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per mo	Rate per kwh per month		
			First 50 hrs	Second 50 hrs	All ad- ditional
SOUTHERN ONTARIO SYSTEM	\$	\$	cents	cents	cents
Western					
Aylmer.....	34.00	1.35	3.4	2.2	0.33
Blenheim.....	34.00	1.35	3.4	2.2	0.33
Bothwell.....	36.00	1.35	3.7	2.4	0.33
Chatham.....	32.00	1.35	3.1	2.0	0.33
Delaware.....	34.00	1.35	3.4	2.2	0.33
Dorchester.....	34.00	1.35	3.4	2.2	0.33
Essex.....	36.00	1.35	3.7	2.4	0.33
Exeter.....	34.00	1.35	3.4	2.2	0.33
Forest.....	36.00	1.35	3.7	2.4	0.33
Harrow.....	36.00	1.35	3.7	2.4	0.33
Ingersoll.....	32.00	1.35	3.1	2.0	0.33
Kingsville.....	34.00	1.35	3.4	2.2	0.33
London.....	32.00	1.35	3.1	2.0	0.33
Lucan.....	34.00	1.35	3.4	2.2	0.33
Merlin.....	36.00	1.35	3.7	2.4	0.33
Norwich.....	32.00	1.35	3.1	2.0	0.33
Oil Springs.....	36.00	1.35	3.7	2.4	0.33
Ridgetown.....	36.00	1.35	3.7	2.4	0.33
St. Thomas.....	34.00	1.35	3.4	2.2	0.33
Sarnia.....	34.00	1.35	3.4	2.2	0.33
Tillsonburg.....	32.00	1.35	3.1	2.0	0.33
Wallaceburg.....	34.00	1.35	3.4	2.2	0.33
West Lorne.....	36.00	1.35	3.7	2.4	0.33
Windsor.....	32.00	1.35	3.1	2.0	0.33
Woodstock.....	32.00	1.35	3.1	2.0	0.33
West Central					
Brantford.....	32.00	1.35	3.1	2.0	0.33
Burlington.....	32.00	1.35	3.1	2.0	0.33
Cayuga.....	36.00	1.35	3.7	2.4	0.33
Clinton.....	34.00	1.35	3.4	2.2	0.33
Dundas.....	32.00	1.35	3.1	2.0	0.33
Elmira.....	32.00	1.35	3.1	2.0	0.33
Guelph.....	32.00	1.35	3.1	2.0	0.33
Kitchener.....	32.00	1.35	3.1	2.0	0.33
Listowel.....	32.00	1.35	3.1	2.0	0.33
Mitchell.....	34.00	1.35	3.4	2.2	0.33
Saltfleet (Stoney Creek).....	29.00	1.35	2.6	1.7	0.33
Caledonia Section.....	32.00	1.35	3.1	2.0	0.33
Simcoe.....	32.00	1.35	3.1	2.0	0.33
Stratford.....	32.00	1.35	3.1	2.0	0.33

The name of the municipality in which the area office is located is added in brackets when it differs from the area name.

RATES TO CUSTOMERS IN RURAL OPERATING AREAS

Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas by regions	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per mo	Rate per kwh per month		
			First 50 hrs	Second 50 hrs	All ad- ditional
SOUTHERN ONTARIO SYSTEM					
—Continued	\$	\$	cents	cents	cents
Niagara					
Beamsville.....	32.00	1.35	3.1	2.0	0.33
Dunnville.....	34.00	1.35	3.4	2.2	0.33
Niagara (St. Catharines).....	30.00	1.35	2.8	1.8	0.33
Welland.....	27.00	1.35	2.3	1.5	0.33
Toronto					
Brampton.....	32.00	1.35	3.1	2.0	0.33
Markham.....	32.00	1.35	3.1	2.0	0.33
Richmond Hill.....	32.00	1.35	3.1	2.0	0.33
Sutton.....	34.00	1.35	3.4	2.2	0.33
Woodbridge.....	34.00	1.35	3.4	2.2	0.33
Georgian Bay					
Alliston.....	34.00	1.35	3.4	2.2	0.33
Bala.....	32.00	1.35	3.1	2.0	0.33
Barrie.....	34.00	1.35	3.4	2.2	0.33
Bracebridge.....	32.00	1.35	3.1	2.0	0.33
Cannington.....	34.00	1.35	3.4	2.2	0.33
Hawkestone (Orillia).....	30.00	1.35	2.8	1.8	0.33
Huntsville.....	34.00	1.35	3.4	2.2	0.33
Markdale.....	32.00	1.35	3.1	2.0	0.33
Midland (Penetanguishene).....	34.00	1.35	3.4	2.2	0.33
Orangeville.....	36.00	1.35	3.7	2.4	0.33
Owen Sound.....	34.00	1.35	3.4	2.2	0.33
Parry Sound.....	34.00	1.35	3.4	2.2	0.33
Shelburne.....	34.00	1.35	3.4	2.2	0.33
Stayner.....	32.00	1.35	3.1	2.0	0.33
Uxbridge.....	34.00	1.35	3.4	2.2	0.33
Walkerton.....	34.00	1.35	3.4	2.2	0.33
Wingham.....	34.00	1.35	3.4	2.2	0.33
East Central					
Bancroft.....	38.00	1.35	4.0	2.6	0.33
Belleville.....	32.00	1.35	3.1	2.0	0.33
Bowmanville (Frankford).....	32.00	1.35	3.1	2.0	0.33
Brighton.....	32.00	1.35	3.1	2.0	0.33
Cobourg.....	32.00	1.35	3.1	2.0	0.33
Fenelon Falls.....	34.00	1.35	3.4	2.2	0.33
Frankford.....	32.00	1.35	3.1	2.0	0.33
Kingston.....	32.00	1.35	3.1	2.0	0.33
Lakefield.....	32.00	1.35	3.1	2.0	0.33
Millbrook.....	32.00	1.35	3.1	2.0	0.33

RATES TO CUSTOMERS IN RURAL OPERATING AREAS

Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas by regions	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per mo	Rate per kwh per month		
			First 50 hrs	Second 50 hrs	All ad- ditional
SOUTHERN ONTARIO SYSTEM					
—Continued	\$	\$	cents	cents	cents
East Central—Continued					
Minden	36.00	1.35	3.7	2.4	0.33
Napanee	32.00	1.35	3.1	2.0	0.33
Norwood	34.00	1.35	3.4	2.2	0.33
Oshawa	32.00	1.35	3.1	2.0	0.33
Peterborough	27.00	1.35	2.3	1.5	0.33
Picton	34.00	1.35	3.4	2.2	0.33
Tweed	34.00	1.35	3.4	2.2	0.33
Eastern					
Arnprior	32.00	1.35	3.1	2.0	0.33
Brockville	32.00	1.35	3.1	2.0	0.33
Carleton Place (Perth)	32.00	1.35	3.1	2.0	0.33
Delta	32.00	1.35	3.1	2.0	0.33
Martintown (Lancaster)	32.00	1.35	3.1	2.0	0.33
Ottawa	29.00	1.35	2.6	1.7	0.33
Perth	32.00	1.35	3.1	2.0	0.33
Plantagenet	32.00	1.35	3.1	2.0	0.33
Renfrew	32.00	1.35	3.1	2.0	0.33
Vankleek Hill	32.00	1.35	3.1	2.0	0.33
Winchester	32.00	1.35	3.1	2.0	0.33
NORTHERN ONTARIO PROPERTIES					
Northeastern					
Algoma	42.00	1.35	4.6	3.0	0.33
Cochrane	36.00	1.35	3.7	2.4	0.33
Connaught (Matheson)	36.00	1.35	3.7	2.4	0.33
Crystal Falls (North Bay)	36.00	1.35	3.7	2.4	0.33
Manitoulin (Kagawong)	42.00	1.35	4.6	3.0	0.33
North Bay	36.00	1.35	3.7	2.4	0.33
Sudbury	36.00	1.35	3.7	2.4	0.33
Timiskaming (New Liskeard)	36.00	1.35	3.7	2.4	0.33
Northwestern					
Dryden	42.00	1.35	4.6	3.0	0.33
Geraldton	42.00	1.35	4.6	3.0	0.33
Kenora	42.00	1.35	4.6	3.0	0.33
Rainy River (Fort Frances)	42.00	1.35	4.6	3.0	0.33
Sioux Lookout	42.00	1.35	4.6	3.0	0.33
Thunder Bay (Port Arthur)	34.00	1.35	3.4	2.2	0.33

RURAL OPERATING AREAS
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1952

Rural operating areas by regions	Miles of primary line	Number of customers						Not completed in 1952*	
		Farm	Hamlet	Commercial	Summer	Power	Total	Miles	Customers

SOUTHERN ONTARIO SYSTEM

Western

Aylmer.....	340.16	1,515	1,008	237	230	5	2,995	0.77	2
Blenheim.....	135.37	627	379	83	161	5	1,255	0.47	1
Bothwell.....	391.23	1,381	315	165	1	16	1,878	0.37	3
Chatham.....	311.94	1,405	1,887	240	.....	24	3,556	0.91	2
Delaware.....	492.62	1,764	542	232	.....	8	2,546	1.01	4
Dorchester.....	203.10	814	457	111	2	10	1,394	0.15	1
Essex.....	292.99	1,480	987	149	578	10	3,204	0.98	2
Exeter.....	255.95	1,097	510	165	803	6	2,581	0.30	5
Forest.....	319.17	1,284	171	115	627	6	2,203	0.75	5
Harrow.....	235.29	1,273	810	119	1,200	6	3,408	2.91	4
Ingersoll.....	290.12	1,032	360	87	16	5	1,500	.....	.....
Kingsville.....	240.75	1,698	1,047	177	1,079	21	4,022	0.15	3
London.....	315.70	1,183	6,550	453	.....	43	8,229	0.73	15
Lucan.....	356.23	1,271	142	105	1	6	1,525	0.50	.....
Merlin.....	386.84	1,570	387	197	228	8	2,390	.....	1
Norwich.....	206.57	929	261	79	.....	7	1,276	.....	.....
Oil Springs.....	334.53	1,354	214	150	.....	4	1,722	4.10	4
Ridgetown.....	179.17	649	266	76	542	5	1,538	1.43	1
St. Thomas.....	300.23	1,173	1,554	210	11	6	2,954	0.55	17
Sarnia.....	269.57	1,124	1,665	216	576	2	3,583	0.16	.....
Tillsonburg.....	244.03	1,037	704	167	.....	13	1,921	0.20	1
Wallaceburg.....	443.20	1,706	1,042	248	202	11	3,209	2.10	25
West Lorne.....	250.06	868	162	75	35	1	1,141	1.35	4
Windsor.....	209.49	836	6,841	584	.....	36	8,297	1.41	6
Woodstock.....	214.48	883	519	118	.....	6	1,526	.....	.....
Total.....	7,218.84	29,953	28,780	4,558	6,292	270	69,853	21.30	102

West Central

Brantford.....	679.06	2,874	1,359	368	14	18	4,633	2.35	4
Burlington.....	117.88	535	3,234	178	25	46	4,018	1.53	92
Cayuga.....	354.83	1,342	536	189	653	20	2,740	0.62	10
Clinton.....	614.12	2,229	760	292	527	7	3,815	2.11	18
Dundas.....	338.54	1,620	1,684	188	1	13	3,506	0.52	5
Elmira.....	454.09	1,501	958	241	80	20	2,800	9.68	15
Guelph.....	370.57	1,248	1,091	168	18	12	2,537	0.55	5
Kitchener.....	470.77	1,704	2,180	318	178	24	4,404	3.89	10
Listowel.....	585.20	2,348	575	283	2	7	3,215	5.02	18
Mitchell.....	548.60	2,255	556	229	.....	12	3,052	0.50	6
Saltfleet.....	448.30	1,658	3,954	383	197	30	6,222	2.82	24
Simcoe.....	755.40	3,269	2,214	419	1,124	14	7,040	2.54	18
Stratford.....	296.19	1,207	525	128	.....	9	1,869	1.80	.....
Total.....	6,033.55	23,790	19,626	3,384	2,819	232	49,851	33.93	225

*Miles of line and total customers, not included in preceding columns.

RURAL OPERATING AREAS
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1952

Rural operating areas by regions	Miles of primary line	Number of customers						Not completed in 1952*	
		Farm	Hamlet	Commercial	Summer	Power	Total	Miles	Customers
SOUTHERN ONTARIO SYSTEM									
Niagara									
Beamsville.....	362.34	2,067	1,280	269	122	23	3,761	1.33	4
Dunnville.....	259.43	991	587	159	947	9	2,693	1.27	11
Niagara.....	253.64	1,550	5,027	331	179	39	7,126	1.41	12
Welland.....	420.59	1,478	5,458	517	658	55	8,166	2.73	23
Total.....	1,296.00	6,086	12,352	1,276	1,906	126	21,746	6.74	50
Toronto									
Brampton.....	561.22	1,921	1,731	270	287	24	4,233	1.06	12
Markham.....	362.44	1,538	4,298	336	687	35	6,894	2.78	50
Richmond Hill..	316.08	1,111	4,623	461	244	30	6,469	3.01	26
Sutton.....	289.86	848	1,445	250	2,829	13	5,385	1.97	13
Woodbridge....	367.17	1,228	2,020	342	108	42	3,740	1.15	13
Total.....	1,896.77	6,646	14,117	1,659	4,155	144	26,721	9.97	114
Georgian Bay									
Alliston.....	436.52	1,609	436	172	15	7	2,239	0.50	.....
Bala.....	157.16	52	518	84	1,395	3	2,052	1.28	13
Barrie.....	462.75	1,322	1,771	293	2,976	14	6,376	4.22	17
Bracebridge....	382.04	493	784	144	1,886	3	3,310	1.12	20
Cannington.....	418.15	1,035	709	177	1,834	7	3,762	2.67	16
Hawkestone....	396.91	749	655	218	1,999	4	3,625	1.45	5
Huntsville.....	425.49	499	1,245	235	1,278	9	3,266	40.34	119
Markdale.....	582.03	1,864	644	258	343	6	3,115	.....	2
Midland.....	421.24	952	705	155	2,948	6	4,766	4.39	129
Orangeville....	427.62	1,258	880	250	337	2	2,727	1.04	5
Owen Sound....	842.57	2,212	1,323	422	1,911	2	5,870	2.33	4
Parry Sound....	291.09	242	967	182	465	5	1,861	1.12	35
Shelburne.....	677.33	2,121	291	206	17	.....	2,635	1.12	1
Stayner.....	321.24	1,019	779	194	3,257	2	5,251	.....	3
Uxbridge.....	446.70	1,370	822	224	881	5	3,302	3.43	.....
Walkerton.....	783.78	2,728	736	329	454	7	4,254	2.23	6
Wingham.....	645.88	2,240	582	300	454	3	3,579	1.00	5
Total.....	8,118.50	21,765	13,847	3,843	22,450	85	61,990	68.24	380

*Miles of line and total customers, not included in preceding columns.

RURAL OPERATING AREAS
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1952

Rural operating areas by regions	Miles of primary line	Number of customers						Not complet- ed in 1952*	
		Farm	Hamlet	Com- mercial	Sum- mer	Power	Total	Miles	Cus- tomers
SOUTHERN ONTARIO SYSTEM									
East Central									
Bancroft.....	164.77	228	339	58	302	1	928	0.33	19
Belleville.....	211.79	750	1,894	227	48	12	2,931	2.06	4
Bowmanville....	276.88	845	611	151	118	6	1,731	2.43	3
Brighton.....	134.21	421	184	35	185	1	826	1.40	.....
Cobourg.....	525.10	1,522	1,064	284	795	7	3,672	2.22	7
Fenelon Falls...	433.89	897	521	192	2,211	7	3,828	4.36	76
Frankford.....	370.34	1,278	819	192	179	1	2,469	2.93	4
Kingston.....	681.67	1,915	2,025	479	737	15	5,171	6.88	38
Lakefield.....	312.60	538	661	176	1,009	1	2,385	1.22	10
Millbrook.....	181.81	549	214	75	64	1	903	0.20	.....
Minden.....	319.05	354	1,245	259	1,483	3	3,344	3.96	32
Napanee.....	519.83	1,753	933	348	220	5	3,259	1.14	7
Norwood.....	269.06	700	309	87	592	3	1,691	2.30	9
Oshawa.....	255.13	855	1,621	231	246	9	2,962	1.69	12
Peterborough...	394.21	1,040	1,426	229	575	7	3,277	3.01	18
Picton.....	426.67	1,654	1,032	265	508	5	3,464	1.48	5
Tweed.....	441.85	905	775	255	494	1	2,430	2.03	17
Total.....	5,918.86	16,204	15,673	3,543	9,766	85	45,271	39.64	261
Eastern									
Arnprior.....	326.51	794	845	226	659	13	2,537	0.47	21
Brockville.....	608.73	2,047	1,556	406	782	17	4,808	0.35	5
Carleton Place..	201.12	493	138	76	229	1	937	0.65	1
Delta.....	388.36	941	591	229	746	3	2,510	.....	.....
Martintown.....	553.15	1,908	902	392	154	11	3,367	1.39	12
Ottawa.....	620.99	2,210	2,969	497	354	34	6,064	4.34	16
Perth.....	603.15	1,368	910	248	759	5	3,290	21.16	84
Plantagenet.....	330.97	1,354	733	215	24	5	2,331	2.46	23
Renfrew.....	822.57	1,672	2,312	566	416	16	4,982	.....	27
Vankleek Hill...	148.60	642	401	130	55	6	1,234	.....	3
Winchester.....	714.52	2,870	967	457	36	13	4,343	0.59	4
Total.....	5,318.67	16,299	12,324	3,442	4,214	124	36,403	31.41	196

*Miles of line and total customers, not included in preceding columns.

RURAL OPERATING AREAS
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1952

Rural operating areas by regions	Miles of primary line	Number of customers						Not completed in 1952*	
		Farm	Hamlet	Commercial	Summer	Power	Total	Miles	Customers
NORTHERN ONTARIO PROPERTIES									
Northeastern									
Algoma.....	60.70	33	58	18	1	.....	110	.....	176
Cochrane.....	234.71	558	1,092	168	78	1	1,897	3.32	151
Connaught.....	303.57	653	784	183	145	7	1,772	0.13	11
Crystal Falls.....	348.46	873	963	234	116	4	2,190	5.45	75
Manitoulin.....	491.94	761	1,289	434	440	15	2,939	3.41	36
North Bay.....	526.47	903	2,426	376	883	18	4,606	10.18	102
Sudbury.....	449.56	852	5,624	424	514	22	7,436	10.94	148
Timiskaming....	547.36	1,046	1,119	288	384	13	2,850	17.21	50
Total.....	2,962.77	5,679	13,355	2,125	2,561	80	23,800	50.64	749
Northwestern									
Dryden.....	140.47	226	274	84	63	1	648	2.88	26
Geraldton.....	22.60	.....	198	67	2	7	274	0.91	.....
Kenora.....	127.40	194	352	62	198	2	808	2.25	24
Rainy River....	450.38	854	589	219	47	5	1,714	0.32	8
Sioux Lookout..	13.62	18	51	7	37	1	114	0.80	.....
Thunder Bay...	758.65	1,737	1,655	295	649	8	4,344	1.33	1
Total.....	1,513.12	3,029	3,119	734	996	24	7,902	8.49	59

*Miles of line and total customers, not included in preceding columns.

SUMMARY—MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1952

Region	Miles of primary line	Number of customers						Not completed in 1952*	
		Farm	Hamlet	Commercial	Summer	Power	Total	Miles	Customers
SOUTHERN ONTARIO									
Western.....	7,218.84	29,953	28,780	4,558	6,292	270	69,853	21.30	102
West Central....	6,033.55	23,790	19,626	3,384	2,819	232	49,851	33.93	225
Niagara.....	1,296.00	6,086	12,352	1,276	1,906	126	21,746	6.74	50
Toronto.....	1,896.77	6,646	14,117	1,659	4,155	144	26,721	9.97	114
Georgian Bay....	8,118.50	21,765	13,847	3,843	22,450	85	61,990	68.24	380
East Central....	5,918.86	16,204	15,673	3,543	9,766	85	45,271	39.64	261
Eastern.....	5,318.67	16,299	12,324	3,442	4,214	124	36,403	31.41	196
Total.....	35,801.19	120,743	116,719	21,705	51,602	1,066	311,835	211.23	1,328
NORTHERN ONTARIO PROPERTIES									
Northeastern....	2,962.77	5,679	13,355	2,125	2,561	80	23,800	50.64	749
Northwestern....	1,513.12	3,029	3,119	734	996	24	7,902	8.49	59
Total.....	4,475.89	8,708	16,474	2,859	3,557	104	31,702	59.13	808
Total—All systems...	40,277.08	129,451	133,193	24,564	55,159	1,170	343,537	270.36	2,136

*Miles of line and total customers, not included in preceding columns.

**RURAL SERVICE, 1928 TO 1943, BEFORE ADOPTION OF PROVINCE-WIDE UNIFORM
RATES AND NEW CLASSIFICATION. COMPARABLE FIGURES FOR EARLIER
YEARS NOT AVAILABLE**

Hamlet and House Lighting Service

Year	Annual revenue	Consumption	Number of customers*	Average revenue per kwh	Average monthly bill	Average monthly consump- tion.
	\$	kwh	No.	cents	\$	kwh
1928	530,407.00	10,702,031	17,585	4.95	2.51	50.7
1929	663,311.00	14,424,770	21,219	4.60	2.85	62.0
1930	757,558.00	17,815,987	25,013	4.25	2.73	64.2
1931	974,224.17	22,127,474	31,176	4.40	2.88	65.6
1932	1,075,081.03	24,654,386	33,368	4.36	2.76	63.3
1933	1,133,368.70	25,410,470	35,941	4.46	2.70	60.1
1934	1,149,876.67	27,768,460	37,466	4.14	2.61	63.0
1935	1,171,873.28	30,802,290	39,751	3.80	2.53	66.5
1936	1,239,010.83	35,666,241	43,014	3.47	2.49	71.8
1937	1,331,919.46	40,935,040	46,785	3.25	2.47	76.0
1938	1,439,681.39	47,612,820	52,514	3.02	2.42	79.9
1939	1,649,496.29	54,787,544	58,328	3.01	2.36	78.3
1940	1,812,550.53	60,839,240	62,973	2.98	2.40	80.5
1941	1,995,468.46	67,587,082	67,939	2.95	2.45	82.9
1942	2,118,911.57	72,613,472	69,766	2.92	2.56	87.9
1943	2,170,221.41	73,980,871	70,919	2.93	2.57	87.6

Farm Service

Year	Annual revenue	Consumption	Number of customers*	Average revenue per kwh	Average monthly bill	Average monthly consump- tion.
	\$	kwh	No.	cents	\$	kwh
1928	569,007.00	10,969,828	9,309	5.18	4.97	96
1929	777,736.00	16,022,842	12,605	4.85	5.85	121
1930	863,805.00	20,507,063	16,011	4.21	5.03	119
1931	1,128,554.28	25,716,141	20,796	4.39	5.11	116
1932	1,255,482.13	28,675,400	22,432	4.38	4.84	110
1933	1,309,122.96	30,062,194	23,283	4.35	4.75	109
1934	1,319,922.69	33,312,314	23,882	3.96	4.66	118
1935	1,343,222.39	37,667,453	25,357	3.57	4.55	128
1936	1,385,784.39	45,447,669	28,198	3.05	4.31	141
1937	1,366,484.50	54,858,240	35,508	2.49†	3.57	144†
1938	1,711,788.81	67,886,882	44,565	2.52†	3.56	141†
1939	2,090,259.14	81,613,087	53,240	2.56†	3.56	139†
1940	2,405,092.40	93,859,719	58,728	2.56†	3.41	133†
1941	2,690,250.37	107,061,610	63,304	2.51	3.54	141
1942	2,870,300.31	116,448,363	63,748	2.46	3.75	152
1943	2,934,011.31	121,428,714	64,292	2.42	3.81	158

*See footnote to table on page 58.

†In the period 1937 to 1940, there was an increase in the statistical average revenue per kilowatt-hour and a decrease in the statistical average monthly consumption per customer. Actually there was a great increase in the use of electricity by nearly all individual Hydro customers and a corresponding decrease to each customer in the average cost per kilowatt-hour. But due to the tremendous growth at that time in new customers, who for the first few years were not equipped to use large quantities of electricity each month, the smaller monthly consumption of the new customers when averaged with the increased use of the older customers produced per customer averages which obscured the true trends of individual growth in use and individual reductions in costs.

APPENDIX IV

ENGINEERING AND CONSTRUCTION

During 1952, fifteen new 115-kv and 230-kv transformer stations were under construction and the capacities of thirty-eight others were being increased. A report on some of these is given in Section V of the Report. The tables below list first all the new stations under construction and second all the stations where additional capacity was being installed. Within each of these classifications group A lists those stations where work or a unit of the work was completed in 1952 and group B the stations where some part of the work is continuing.

INCREASE IN TRANSFORMER STATION CAPACITY

New 115-kv and 230-kv Transformer Stations

<i>Station</i>	<i>Frequency</i>	<i>Capacity</i>	<i>Station</i>	<i>Frequency</i>	<i>Capacity</i>
	<i>cycles</i>	<i>kva</i>		<i>cycles</i>	<i>kva</i>
A. Allanburg.....	60	120,000	Hamilton-Kenilworth .	60	100,000
Brockville.....	60	30,000	Stratford.....	60	15,000
B. Allanburg.....	60	120,000	Detweiler.....	60	240,000
Belleville.....	60	25,000	Pleasant.....	60	50,000
Brantford.....	60	25,000	Toronto-Bathurst.....	60	50,000
Hamilton-Newton.....	60	36,000	Toronto-Gerrard.....	60	40,000
Hanover.....	60	30,000	Waubauskene.....	60	30,000
Oakville.....	60	50,000			

Changes in Existing 115-kv and 230-kv Transformer Stations

<i>Station</i>	<i>Frequency</i>	<i>Increase</i>	<i>Station</i>	<i>Frequency</i>	<i>Increase</i>
	<i>cycles</i>	<i>kva</i>		<i>cycles</i>	<i>kva</i>
A. Armitage.....	60	27,500	*Kitchener.....	60	15,000
Brant.....	60	3,750	R. H. Martindale.....	60	22,000
E. V. Buchanan.....	60	120,000	*Merritton.....	60	15,000
Caledonia.....	25	8,000	Oshawa.....	60	15,000
Cyanamid.....	25	30,000	Palmerston.....	25	8,000
Ross L. Dobbin.....	60	20,000	St. Thomas.....	25	8,000
Dundas.....	25	15,000	Sarnia.....	60	25,000
Essa.....	60	70,000	Scarborough F.C. & T.S.	60	25,000
Essex.....	60	25,000	Seaforth.....	60	14,000
Fort William.....	60	25,000	Toronto-Fairbank . . .	60	45,000
*Guelph.....	60	15,000	*Toronto-Strachan.....	60	15,000
Hamilton-Gage.....	60	20,000	*Toronto-Thorncliffe . .	60	30,000
Hamilton Beach.....	60	30,000	Woodstock.....	25	7,500
*Kent.....	60	8,000			
B. Chalk River.....	60	12,000	*Merritton.....	60	15,000
Crowland.....	60	50,000	*Niagara-Murray.....	60	25,000
Dryden.....	60	8,000	Ottawa-Riverdale.....	60	15,000
Essex.....	60	25,000	Ramore.....	25	10,500
*Galt.....	60	15,000	St. Thomas.....	60	30,000
A. W. Manby.....	60	120,000	Wallaceburg.....	60	7,600
			*Woodstock.....	60	15,000

* These stations were specially constructed to make 60-cycle power available under the advance frequency standardization program.

**TRANSFORMER STEP-DOWN CAPACITY
BY VOLTAGES**

Rating of high-voltage winding	Frequency	Total capacity		Net change
		At Dec. 31, 1951	At Dec. 31, 1952	
volts	cycles	kva	kva	kva
SOUTHERN ONTARIO SYSTEM				
230,000	25	900,000	940,000	40,000
230,000	60	634,000	1,202,000	568,000
115,000	25	1,728,850	1,777,850	49,000
115,000	60	996,550	1,622,675	626,125
44,000	60	233,654	265,829	32,175
44,000	66 $\frac{2}{3}$	7,750	7,750	.....
33,000	60	11,720	8,600	3,120
26,400	25	288,125	288,325	200
26,400	60	135,590	205,265	69,675
22,000	60	10,550	10,550	.....
22,000	66 $\frac{2}{3}$	6,510	6,510	.....
13,200	25	83,075	88,350	5,275
13,200	60	350	6,350	6,000
Less than 13,200	60	9,550	9,850	300
NORTHERN ONTARIO PROPERTIES				
132,000/115,000	25	202,270	202,270	.....
132,000/115,000	60	96,000	110,000	14,000
115,000	60	93,750	118,750	25,000
69,000	60	3,750	3,750	.....
44,000	25	24,500	24,500	.....
44,000	60	33,984	50,752	16,768
26,000	25	57,085	52,585	4,500
22,000	60	13,650	6,982	6,668
12,000	25	11,325	11,325	.....
12,000	60	11,300	11,300	.....
Less than 12,000	25	825	825	.....
Less than 12,000	60	12,775	12,775	.....

COMMUNICATIONS

In the Southern Ontario System 156 miles of telephone circuit were erected and 80 miles of telephone circuit were rehabilitated for power-system operation. In the Northern Ontario Properties 53 miles were erected and 17 miles were rehabilitated.

Under an agreement recently made with The Bell Telephone Company of Canada, the Commission's voice telephone communications in the Southern Ontario System will be progressively incorporated with those of the Company. Thus duplication of services will be gradually reduced, and as far as may be feasible voice telephone communication facilities in the System will be supplied by the Company.

Communications switching facilities were installed at a number of generating and transformer stations, at the Niagara and East Central Regional Offices, and at the Connaught Area Office. Telemetering and load control facilities were provided at Abitibi Canyon Generating Station and the Timmins and R. H. Martindale Transformer Stations.

The tabulation below lists telephone and power-line carrier facilities which have been added to the Commission's communications between the points named.

Facilities for Telemetering and Control

Auxiliary communications control cable

<i>From</i>	<i>To</i>
Head Office Administration Building	Toronto Hydro-Electric System Station E
Ottawa-Riverdale T.S.	Ottawa-Overbrook T.S.
Trethewey Falls G.S.	South Falls G.S.
Hanna Chute G.S.	South Falls G.S.
Dow Chemical Company Station 41	Dow Chemical Company Station 48
Port Arthur T.S.	Northwestern Regional Office

Administrative and operational channels

<i>From</i>	<i>To</i>
Smith's Falls T.S.	Merivale S.S.
Burlington T.S.	Stratford T.S.
Essex T.S.	E. V. Buchanan T.S.

Power-line carrier relay-protection channel

<i>From</i>	<i>To</i>
Des Joachims G.S.	Otto Holden G.S.
Des Joachims G.S.	Minden S.S.
Burlington T.S.	Allanburg T.S.
St. Thomas T.S.	E. V. Buchanan T.S.

In addition to the above, telemetering and load-control channels were established between Des Joachims and Otto Holden Generating Stations, and voice carrier circuits between these same stations and between Abitibi Canyon Generating Station and R. H. Martindale Transformer Station.

Radio

Additional frequency-modulation radio stations were strategically located at nine new points in the Southern Ontario System, and at two generating stations and a storage dam in the Northern Ontario Properties. Twenty-two mobile frequency-modulation units were added in the Georgian Bay Region and four in the Thunder Bay District. The addition of these facilities will further expand the service given by radio-controlled units in these areas.

TOTAL MILEAGE OF TRANSMISSION LINES AND CIRCUITS

Voltage and Structure	Line route or structure miles		Circuit miles †	
	At Dec. 31, 1951	At Dec. 31, 1952	At Dec. 31, 1951	At Dec. 31, 1952
SOUTHERN ONTARIO SYSTEM				
230,000-volt.....steel tower.....	2,270.05	2,432.85	2,693.40	2,858.39
115,000-volt.....steel tower.....	1,422.23	1,430.12	2,146.10	2,229.70
115,000-volt.....wood pole.....	773.21	806.80	776.86	810.97
115,000-volt.....underground cable.....	2.95	4.88	4.00	8.83
60,000-volt.....steel tower.....	20.00	11.17	21.13	12.30
60,000-volt.....wood pole.....	0.00	2.66	0.00	2.66
44,000-volt.....steel tower.....	98.20	87.15	136.55	114.45
44,000-volt and less, steel and wood...	4,165.97	4,286.62	4,612.24	4,769.66
Total Southern Ontario System.....	8,752.61	9,062.25	10,390.28	10,806.96
NORTHERN ONTARIO PROPERTIES				
132,000-volt.....steel tower.....	386.16	386.16	772.32	772.32
132,000-volt.....wood pole.....	262.84	268.54	262.84	268.54
115,000-volt.....steel tower.....	298.60	298.60	512.66	512.66
115,000-volt.....wood pole.....	665.85	717.56	665.85	717.56
69,000-volt.....wood pole.....	203.72	203.72	203.72	203.72
44,000-volt and less, wood pole.....	1,351.25	1,416.60	1,472.31	1,531.13
Total Northern Ontario Properties ..	3,168.42	3,291.18	3,889.70	4,005.93
Total—All systems.....	11,921.03	12,353.43	14,279.98	14,812.89

NOTE: The figure of 11,921.03 line miles and 14,279.98 circuit miles at December 31, 1951 includes 526.49 miles of single-circuit low-voltage lines (less than 44 kv) not previously reported in the Annual Report.

Circuit miles of 230,000-volt line in the Province of Quebec connected to H-E.P.C. lines = 103.47 miles, making a total system interconnected mileage of 2,961.86.

APPENDIX V—LEGISLATIVE

AT THE 1952 Sessions of the Legislative Assembly of the Province of Ontario four Acts respecting The Hydro-Electric Power Commission of Ontario were passed. The said Acts are reproduced here in full. The short titles of the Acts are as follows:

1952, 1st Session

The International Rapids Power Development Agreement Act,
1952, Chapter 42

The Power Commission Amendment Act, 1952, Chapter 77

The Rural Telephone Systems Amendment Act, 1952, Chapter 93

1952, 2nd Session

The St. Lawrence Development Act, 1952, (No. 2), Chapter 3.

ACTS

CHAPTER 42

An Act to approve an Agreement between Canada and Ontario respecting the Generation of Electrical Power in the International Rapids Section of the St. Lawrence River

Assented to April 10th, 1952.

Session Prorogued April 10th, 1952.

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Agreement
approved

1. The agreement made the 3rd day of December, 1951, between the Government of Canada and the Government of Ontario, set out as the Schedule to this Act, is approved and all things to be done by virtue thereof are authorized.

Commence-
ment

2. This Act comes into force on a day to be named by the Lieutenant-Governor by his Proclamation.

Short title

3. This Act may be cited as *The International Rapids Power Development Agreement Act, 1952.*

SCHEDULE

AGREEMENT made this third day of December, A.D. 1951,

BETWEEN:

THE GOVERNMENT OF CANADA, herein represented by The Right Honourable LOUIS S. ST. LAURENT, Prime Minister, and The Honourable LIONEL CHEVRIER, Minister of Transport, hereinafter referred to as Canada,

OF THE FIRST PART,

—and—

THE GOVERNMENT OF ONTARIO, herein represented by The Honourable LESLIE M. FROST, Premier, and The Honourable GEORGE H. CHALLIES, Acting Provincial Secretary, hereinafter referred to as Ontario,

OF THE SECOND PART.

WHEREAS the development of the power resources in the International Rapids Section of the St. Lawrence River is urgently required;

WHEREAS it is intended that the Canadian share of the power to be developed therefrom would be available to Ontario;

WHEREAS Ontario is desirous of undertaking such development concurrently with the undertaking of a complementary development by an appropriate authority in the United States of America;

AND WHEREAS, by the Boundary Waters Treaty binding upon Canada and the United States of America, it is agreed that further uses of or obstructions or diversions of boundary waters on either side of the line affecting the natural level or flow of boundary waters on the other side of the line may not be made except by authority of the United States or Canada within their respective jurisdictions and with the approval of the International Joint Commission constituted by the Treaty;

AND WHEREAS the Treaty provides with respect to boundary waters:—

“The following order of precedence shall be observed among the various uses enumerated hereinafter for these waters, and no use shall be permitted which tends materially to conflict with or restrain any other use which is given preference over it in this order of precedence:

- (1) Uses for domestic and sanitary purposes;
- (2) Uses for navigation, including the service of canals for the purposes of navigation;
- (3) Uses for power and for irrigation purposes.”

AND WHEREAS it is desirable that an agreement should be made between Canada and Ontario concerning the construction, maintenance and operation of works for the development of power in the International Rapids Section subject to and in accordance with Canada's obligations under the Boundary Waters Treaty;

NOW THEREFORE this Agreement witnesseth that the parties hereto agree as follows:—

ARTICLE I

For the purposes of this Agreement, unless the context otherwise requires, the expression:—

- (a) “deep waterway” means adequate provision for navigation requiring a controlling channel depth of twenty-seven feet with a depth of thirty feet over lock sills in general accordance with the specifications set forth in the Report of the Joint Board of Engineers, dated November 16, 1926;
- (b) “International Rapids Section” means that part of the International Section which extends from Chimney Point to the village of St. Regis;
- (c) “International Section” means that part of the St. Lawrence River through which the International boundary line runs;

- (d) "St. Lawrence River" includes the river channels and the lakes forming parts of the river channels from the outlet of Lake Ontario to the sea; and
- (e) "the works" means the works described in Article II to be undertaken and carried out by Ontario.

ARTICLE II

Canada will do all in its power, consistently with its obligations under the Boundary Waters Treaty of 1909 aforementioned and the preservation of the interests of others in the St. Lawrence River, to obtain the approval of the International Joint Commission established under the said Boundary Waters Treaty pursuant to an application to be made by Ontario in a form approved by Canada, of works to develop the power resources of the International Rapids Section of the St. Lawrence River to be undertaken by Ontario concurrently with the undertaking of complementary works by an appropriate authority in the United States of America, in accordance with the plan known as the "Controlled Single Stage Project (238-242)", containing the features described in the Annex to this Agreement with such modifications as may be agreed upon herein or by Canada and Ontario.

ARTICLE III

Articles IV to XVI of this Agreement shall not come into operation until the making of an order by His Excellency the Governor General in Council of Canada signifying on behalf of Canada that

- (a) the terms upon which the International Joint Commission has approved the works mentioned in Article II of this Agreement for the development of the power resources of the International Rapids Section, including the works to be undertaken by Ontario, under Article III of the Boundary Waters Treaty of 1909 are satisfactory to Canada; and
- (b) Ontario has satisfied Canada that it will, concurrently with complementary operations by an appropriate authority in the United States, undertake the construction, maintenance and operation of the works.

ARTICLE IV

Canada and Ontario will cause to be enacted such legislation as may be agreed upon between them as being necessary to authorize and provide fully for the construction, maintenance and operation of the works.

ARTICLE V

(1) Subject to paragraph two of this Article, Canada will transfer to Ontario the administration of such lands belonging to Canada as are required for the works and such lands shall belong to Ontario.

(2) Ontario will compensate Canada for all lands the administration of which is transferred to Ontario pursuant to paragraph one of this Article other than the lands or property forming part of the existing canal system in the International Rapids Section.

(3) Upon completion of the necessary works to permit the continuance of fourteen-foot navigation on the Canadian side around the control dam and from the pool above Long Sault Dam to connect with the existing Cornwall Canal, as provided in paragraph seven of the Annex hereto, Ontario will transfer to Canada the administration of such works, the sites thereof and such lands belonging to Ontario as are required for the operation thereof, and such works, sites and lands shall belong to Canada.

(4) Ontario will indemnify and save Canada harmless in respect of all claims of third parties in any way arising out of the construction, maintenance or operation of the works, it being understood by the parties hereto that no damages can so arise west of a line drawn due north and south through the most westerly point of Spencer Island and it is agreed that this indemnity clause shall not apply to any claim for any such damages alleged to have been sustained west of the said line.

ARTICLE VI

(1) Ontario will, to the full extent of its ability, concurrently with complementary operations by an appropriate authority in the United States of America, construct, maintain and operate the works in accordance with the terms of this Agreement, and in that respect will carry out and give full force and effect to all or any conditions, provisions or orders imposed or made by or under the authority of the International Joint Commission or by the Governor General in Council of Canada for the protection of navigation or to regulate and control the use of the water of the St. Lawrence River for the works, for the protection of others engaged in the production of power outside the Province of Ontario, and, in the case of any default on the part of Ontario, Canada may, by notice in writing specifying the particulars of the alleged default, require full and complete compliance, within a period or periods named in the notice, by Ontario with its obligations hereunder in respect of which default is alleged, and if the notice is not complied with within the time or any of the respective times so specified, Canada may, subject to paragraph two of this Article, take over or undertake the operation of the works or any part of the works or may construct, maintain and carry out the works, and in any such event the works shall vest in and belong to Canada..

(2) If any dispute arises between the parties hereto as to whether Ontario is carrying out her obligations hereunder or otherwise in any way under this clause, such dispute shall be referred to an arbitral tribunal constituted as provided in Article XIV of this Agreement and, pending disposition by the tribunal of such dispute, Ontario may carry on the construction, maintenance or operation of the works and Canada shall not take over or undertake the operation of the works or any part thereof or the construction, maintenance and carrying out thereof as provided in paragraph one.

ARTICLE VII

Ontario will, at such times and in such manner and form and upon such ratings as may be prescribed by Canada or authorized representatives of Canada,

- (a) take and keep records of the flow and water levels in the International Rapids Section and furnish certified copies thereof to Canada;
- (b) calibrate or cause to be calibrated its turbines, penstocks, sluices or other water passages forming part of the works.

ARTICLE VIII

Canada or authorized representatives of Canada will at all times be empowered

- (a) to have free access to the works;
- (b) to measure the discharge of the various sluices, turbines, penstocks or other water passages forming part of the works.

ARTICLE IX

Ontario will furnish to Canada such plans, drawings or other information relating to the works as Canada may request from time to time.

ARTICLE X

Ontario may provide for the enjoyment and exercise by The Hydro-Electric Power Commission of Ontario of any of Ontario's rights and benefits under this Agreement.

ARTICLE XI

(1) Subject to the provisions of this Article, Ontario will transfer to Canada the administration of any such lands belonging to Ontario as are specified by Canada as being required for the sites of locks and works to carry a deep waterway through the International Rapids Section or for the construction, maintenance and operation thereof and such lands shall belong to Canada.

(2) Canada will compensate Ontario for all lands the administration of which is transferred to Canada pursuant to paragraph one of this Article, other than lands or property of Ontario forming part of or acquired and held by Ontario for the purposes of the works.

(3) Subject to paragraph four of this Article, Ontario will not be entitled to any compensation for lands or property of Ontario forming part of or acquired and held by Ontario for the purposes of the works, the administration of which is required to be transferred by Ontario to Canada pursuant to paragraph one of this Article, and Ontario will not be entitled to claim any compensation for loss or expenses incurred with respect to the works or the maintenance or operation thereof or the distribution of power therefrom arising out of the construction by Canada of the locks or works required for the said deep waterway.

(4) Where Ontario has, before constructing any part of the works, given notice to Canada of the location of that part of the works, if Canada did not before commencement of the construction thereof give notice to Ontario that the lands upon which that part of the works was to be located might be required for the purposes of the said deep waterway and if Canada thereafter requires Ontario to transfer the administration of those lands to Canada pursuant to paragraph one of this Article, Ontario will be entitled to compensation for those lands and the said part of the works and for all loss or expense incurred with respect to the works or the maintenance or operation thereof or the distribution of power therefrom arising by reason of Canada requiring Ontario to transfer the said lands and said part of the works to Canada.

(5) Canada will indemnify and save Ontario harmless in respect of all claims of third parties in any way arising out of the construction, maintenance or operation of a deep waterway through the International Rapids Section.

ARTICLE XII

If the construction by Canada of the locks and works mentioned in Article XI renders unnecessary the construction by Ontario of the works required to permit the continuance of fourteen-foot navigation as described in paragraph seven of the Annex to this Agreement, Ontario will pay to Canada a part of the cost of such locks and works equivalent to the cost of the works that would have been required to be constructed by Ontario to permit the continuance of such fourteen-foot navigation.

ARTICLE XIII

Ontario will furnish at cost such power as may from time to time be required by Canada for the operation of the navigation works and for other purposes of navigation in the International Rapids Section.

ARTICLE XIV

(1) In the event of Canada and Ontario failing to agree on the interpretation of any part of this Agreement or any matter arising therefrom, either party shall have the right to refer the matter to an arbitral tribunal.

(2) Each arbitral tribunal shall consist of one person chosen by Canada, one person chosen by Ontario and one person chosen by agreement between Canada and Ontario. If they fail to agree, the third member of the tribunal shall be chosen by the Chief Justice of Canada.

(3) Both parties agree to facilitate the constitution and functioning of arbitral tribunals and to accept their decisions.

(4) The procedure in any arbitration under the provisions of this Article will be determined by Agreement between the parties hereto.

ARTICLE XV

Ontario will establish a Commission to supervise the execution of such works as may be appropriate, consistently with the execution of the works, to safeguard and enhance the scenic beauty of and historic associations with the International Rapids Section.

ARTICLE XVI

Where by the terms of this Agreement any notice or request is to be given or made by or on behalf of Canada, such notice or request shall be deemed, for the purposes of this Agreement, to be effectively given or made if given or made by the Minister of Transport of Canada to the Provincial Secretary of Ontario, and where by the terms of this Agreement any notice or request is to be given or made by or on

behalf of Ontario, such notice or request shall be deemed for the purposes of this Agreement, to be effectively given or made if given or made to the Minister of Transport by the Provincial Secretary or a person authorized by him in that behalf, notice of whose authority has been given to the Minister of Transport by the Provincial Secretary.

ARTICLE XVII

This Agreement is made subject to its approval by the Parliament of Canada and by the Legislature of the Province of Ontario. If, however, approval of the works by the International Joint Commission is not obtained within three years from the date of this Agreement either party hereto may, by written notice to the other, forthwith cancel this Agreement.

IN WITNESS WHEREOF the Right Honourable LOUIS S. ST. LAURENT, Prime Minister, and the Honourable LIONEL CHEVRIER, Minister of Transport, have hereunto set their hands on behalf of Canada and the Honourable LESLIE M. FROST, Premier, and the Honourable GEORGE H. CHALLIES, Acting Provincial Secretary, have hereunto set their hands on behalf of Ontario; both upon the third day of December, 1951.

(Sgd.) LOUIS S. ST. LAURENT.
 " LIONEL CHEVRIER.
 " LESLIE M. FROST.
 " GEO. H. CHALLIES.

ANNEX TO THE CANADA-ONTARIO AGREEMENT

(See ARTICLE II)

The main features of the Controlled Single Stage Project (238-242) subject to modification pursuant to Article II, are as follows:—

- (1) A control dam in the vicinity of Iroquois Point.
- (2) A dam in the Long Sault Rapids at the head of Barnhart Island and two powerhouses, one on either side of the international boundary, at the foot of Barnhart Island.
- (3) Dykes, where necessary, on the United States and Canadian sides of the international boundary, to retain the pool level above the Long Sault Dam.
- (4) Channel enlargement from above Chimney Point to below Lotus Island designed to give a maximum mean velocity in any cross section of the channel which will ultimately be used for navigation not exceeding four feet per second at any time and between Lotus Island and the control dam and from above Point Three Point to below Ogden Island designed to give a maximum mean velocity in any cross section not exceeding two and one-quarter feet per second with the flow and at the stage to be permitted on the first of January of any year, under regulation of outflow and levels of Lake Ontario in accordance with Regulation Method No. 5, as prepared by the General Engineering Branch, Department of Transport, Canada, dated Ottawa, September, 1940.
- (5) Channel enlargement in the channels north and south of Cornwall Island equivalent in volume to that proposed in Features 33 and 34 as described in the Final Report on the St. Lawrence River Project by the Chief of Engineers, U.S. Army, dated April, 1942, and shown in outline on Drawing CC-R-1/1, Appendix III-O(1), to the Final Report referred to above.
- (6) The necessary railroad and highway modifications on either side of the international boundary.
- (7) The necessary works to permit the continuance of fourteen-foot navigation on the Canadian side around the control dam and from the pool above the Long Sault Dam to connect with the existing Cornwall Canal.
- (8) The Rehabilitation of the Towns of Iroquois and Morrisburg, Ontario.

All the works in the pool below the control dam shall be designed to provide for full Lake Ontario level but initially the pool shall be operated at maximum elevation 238-0.

CHAPTER 77

*An Act to amend The Power Commission Act**Assented to April 10th, 1952.**Session Prorogued April 10th, 1952.*

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Rev. Stat.,
c. 281, s. 36,
amended

1. Section 36 of *The Power Commission Act* is amended by inserting after the article "the" in the sixth line the word "generation", so that the section shall read as follows:

Powers of
Commission
as to
lines on
highways

36. In the exercise of the powers conferred and in carrying out any work authorized by this Act or any other general or special Act, the Commission has and always has had authority to put down, carry, construct, erect and maintain such conduits, wires, poles, towers and other equipment and works used in the generation, transmission and distribution of electrical power and energy as it deems necessary or desirable, under, along, across or upon any public street or highway and to remove or replace them without taking any of the proceedings prescribed by this Act for the taking of land without the consent of the owner thereof, and the provisions of this Act with regard to compensation for lands so taken shall not apply, but the location of any such conduits, wires, poles, towers, equipment or works to be put down, carried, constructed or erected under, along, across or upon a public street or highway shall be agreed upon by the Commission and the municipal corporation or other authority having control of the public street or highway, and in case of disagreement shall be determined by the Ontario Municipal Board.

Rev. Stat.,
c. 281, s. 41,
re-enacted

2. Section 41 of *The Power Commission Act*, as amended by section 4 of *The Power Commission Amendment Act, 1951*, is repealed and the following substituted therefor:

Powers of
expropriation

41. The compulsory powers conferred by this Act or by *The Niagara Development Act, 1951* or by *The St. Lawrence Development Act, 1952* shall extend to land, works, rights, powers, privileges and property notwithstanding anything in this Act or in any general or special Act and notwithstanding that they are or may be deemed to be devoted to a municipal or any other public use or that the owner thereof possesses the power of taking land compulsorily and notwithstanding the origin, nature or sources of the owner's title thereto, whether statutory or otherwise, or the manner whereby it was acquired by the owner or by any of his predecessors in title.

1951, c. 55
1952, c. 100

3. *The Power Commission Act* is amended by adding thereto the following section: Rev. Stat.,
c. 281,
amended

43a. Notwithstanding anything in any other Act, where any right, interest, way, privilege, permit or easement has heretofore been, or is hereafter acquired by the Commission, in, through, over, under, along, upon, across or affecting any land, unless it is otherwise agreed, the land shall continue subject thereto for the term thereof and it shall be binding upon the owner at the time of acquisition and all subsequent owners of the land until expiration or release by the Commission. Continuance
of easements,
etc.

4. Subsections 1, 2 and 3 of section 45 of *The Power Commission Act* are repealed. Rev. Stat.,
c. 281, s. 45,
subss. 1-3,
repealed

5. *The Power Commission Act* is amended by adding thereto the following section: Rev. Stat.,
c. 281,
amended

45a.—(1) Notwithstanding anything in *The Assessment Act* or in any other general or special Act, the Commission and its property shall not be subject to taxation for municipal or school purposes, except for local improvements. Tax
exemption
Rev. Stat.,
c. 24

(2) The Commission shall pay in each year to any municipality in which are situated lands owned by and vested in the Commission or buildings used exclusively for executive and administrative purposes and owned by and vested in the Commission or buildings owned by and rented by the Commission to other persons, the total amount that all rates, except, subject to subsections 3 and 4, rates on business assessment, levied in that municipality for taxation purposes based on the assessed value of the land at the actual value thereof according to the average value of land in the locality and the assessed value of such buildings, would produce. Annual
payments
to municipi-
palities

(3) The Commission shall also pay the amount that the current rates on business assessment on the lands or buildings referred to in subsection 2, not including any lands referred to in subsection 4, would produce based on the applicable percentage of the assessed value provided for in subsection 2. Idem

(4) The Commission shall also pay the amount that the current rates on business assessment would produce on land and buildings owned or occupied by the Commission for carrying on the business of selling by retail electrical goods, supplies or appliances. Idem

(5) The payments received under subsections 2, 3 and 4 shall be credited by the municipality to the general fund of the municipality. Credit to
municipal
general
fund

- | | |
|------------------------|---|
| Valuation | (6) The assessments and assessed values referred to in this section shall be valuations made in each year for the purposes of this section by the Department of Municipal Affairs, and subject to subsections 2, 3 and 12 the valuations shall be made on the same basis as real property liable for municipal taxation in the municipality. |
| Minister's decision | (7) The decision of the Minister of Municipal Affairs as to whether this section applies to any property of the Commission shall be final. |
| Valuation notice | (8) The Department of Municipal Affairs shall, on completion of the valuation of the Commission's property in a municipality, deliver or mail to the clerk of the municipality and to the Commission a notice setting out the valuations referred to in subsection 6. |
| Appeals | (9) The municipality or the Commission may appeal to the Ontario Municipal Board against the valuation and a notice of appeal to the Board under this subsection shall be sent by the party appealing, by registered mail, to the secretary of the Board within twenty-one days after the notice of the valuation has been delivered or mailed under subsection 8. |
| Hearing | (10) Upon receipt of a notice of appeal under this section, the secretary of the Ontario Municipal Board shall arrange a time and place for hearing the appeal and shall send notice thereof to all parties concerned in the appeal at least fourteen days before the hearing. |
| Jurisdiction on appeal | (11) The Ontario Municipal Board upon appeal shall determine the amount at which the property in question shall be valued and its decision shall be final and binding and there shall be no appeal therefrom. |
| Exemptions | (12) In making the valuations referred to in subsection 6, there shall be no value included for machinery whether fixed or not nor the foundation on which it rests, works, structures other than buildings referred to in subsection 2 or 4, substructures, superstructures, rails, ties, poles, towers, lines nor any of the things excepted from exemption from taxation by paragraph 17 of section 4 of <i>The Assessment Act</i> , nor other property, works or improvements not referred to in subsection 2 or 4, nor to an easement or the right or use of occupation or other interest in land not owned by the Commission. |

Rev. Stat.,
c. 24

Rev. Stat.,
c. 281, s. 46,
amended

6. Section 46 of *The Power Commission Act*, as amended by section 5 of *The Power Commission Amendment Act, 1951*, is further amended by inserting after the figures "1951" in the amendment of

1951 the words and figures "and of *The St. Lawrence Development Act, 1952*", so that the section shall read as follows:

46. The Lieutenant-Governor in Council may raise by way of loan in the manner provided by *The Provincial Loans Act* such sums as the Lieutenant-Governor in Council may deem requisite for the purposes of this Act and of *The Niagara Development Act, 1951* and of *The St. Lawrence Development Act, 1952*, and the sums so raised may either be advanced to the Commission or applied by the Treasurer of Ontario in the purchase of notes, bonds, debentures or other securities of the Commission issued by the Commission under the authority of this Act.

Government authorized to raise funds for works of Commission
Rev. Stat., c. 299
1951, c. 55
1952, c. 100

7. Clause *e* of subsection 2 of section 51 of *The Power Commission Act*, as amended by subsection 2 of section 9 of *The Power Commission Amendment Act, 1951*, is further amended by inserting after the figures "1951" in the amendment of 1951 the words and figures "or in *The St. Lawrence Development Act, 1952*", so that the clause shall read as follows:

Rev. Stat., c. 281, s. 51, subs. 2, cl. *e*, amended

- (*e*) carrying out any of the powers and purposes of the Commission referred to in sections 24 to 28, 38 and 84 or in respect of the acquisition or construction of works referred to in section 59, or carrying out any of the powers and purposes of the Commission referred to in *The Niagara Development Act, 1951* or in *The St. Lawrence Development Act, 1952*, providing in whole or in part for expenditures of the Commission made or to be made in connection therewith, reimbursing the Commission for any such expenditures heretofore or hereafter made, and repaying in whole or in part any temporary borrowings of the Commission for any of such purposes.

1951, c. 55
1952, c. 100

8. Section 120 of *The Power Commission Act* is amended by adding thereto the following subsection:

Rev. Stat., c. 281, s. 120, amended

- (3) Notwithstanding subsection 2, if a member of a commission referred to in that subsection who is appointed by the Commission dies, or wishes to resign, or refuses to act, or becomes unable from any cause to perform his duties, the Commission may appoint a successor in his stead for the remainder of his term of office, and such successor shall be eligible for reappointment.

Appointment of successor to commissioner appointed by Commission

9.—(1) This Act, except sections 4 and 5, comes into force on the day it receives Royal Assent.

Commencement

(2) Sections 4 and 5 shall be deemed to have come into force on the 1st day of January, 1952.

Idem

10. This Act may be cited as *The Power Commission Amendment Act, 1952*.

Short Title

CHAPTER 93

An Act to amend The Rural Telephone Systems Act, 1951

Assented to April 10th, 1952.

Session Prorogued April 10th, 1952.

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1951,
c. 80, s. 2,
subs. 1,
cl. d, re-
enacted

1. Clause *d* of subsection 1 of section 2 of *The Rural Telephone Systems Act, 1951* is repealed and the following substituted therefor:

- (d) when in its opinion it is desirable, make agreements with the companies for the joint use of poles upon such terms and conditions as may be mutually agreed upon;
- (e) do whatever else is necessary in its opinion to promote the objects of this Act.

Commence-
ment

2. This Act comes into force on the day it receives Royal Assent.

Short title

3. This Act may be cited as *The Rural Telephone Systems Amendment Act, 1952*.

CHAPTER 3

The St. Lawrence Development Act, 1952 (No. 2)

Assented to October 23rd, 1952.

Session Prorogued October 23rd, 1952.

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Interpre-
tation

1. In this Act,
 - (a) “Board” means Ontario Municipal Board; *New*.
 - (b) “Canada-Ontario agreement” means the agreement between the Government of Canada and the Government of Ontario providing for the development of power resources in the International Rapids Section of the St. Lawrence River, dated the 3rd day of December, 1951, and set out as the Schedule to *The International Rapids Power Development Agreement Act, 1952*;
 - (c) “Commission” means The Hydro-Electric Power Commission of Ontario; 1952, c. 100, s. 1, cls. (a, b).
 - (d) “land” includes any estate, term, easement, right or interest in, to, over or affecting land; 1952, c. 100, s. 1, cl. (c), *amended*.

1952, c. 42

- (e) "power" includes electrical, pneumatic, hydraulic, mechanical, atomic, steam, gas and other power and also energy; 1952, c. 100, s. 1, cl. (d).
- (f) "property" means property of any kind, other than land, and includes any interest in property; *New*.
- (g) "supply" includes delivery, dealing in and sale;
- (h) "works" includes all property, plant, machinery, buildings, erections, constructions, installations, materials, devices, fittings, apparatus, appliances and equipment for the generation, transformation, transmission, distribution, supply or use of power. 1952, c. 100, s. 1, cls. (e, f).

2. When the works described in Article II of the Canada-Ontario agreement have been approved by the International Joint Commission established under the Boundary Waters Treaty of 1909 and when the order of His Excellency the Governor General of Canada referred to in Article III of the Canada-Ontario agreement has been made and when the Commission has been authorized by the Lieutenant-Governor in Council to proceed concurrently with the undertaking of complementary works by an appropriate authority in the United States of America, the Commission shall undertake and perform all the obligations of the Government of Ontario under the Canada-Ontario agreement, except the transfer of the administration of the works, sites and lands belonging to Ontario provided for in clause 3 of Article V and in Article XI of the Canada-Ontario agreement, and shall proceed with the construction, maintenance and operation of the works to develop and utilize the power resources of the International Rapids Section of the St. Lawrence River, and for this purpose may enjoy and exercise in its own name all the rights and benefits of the Government of Ontario under the Canada-Ontario agreement. 1952, c. 100, ss. 2, 3, *amended*.

When Commission may undertake power development

3. Upon the transfer of the administration of the lands belonging to Canada provided for in Article V of the Canada-Ontario agreement, such lands vest in the Commission. 1952, c. 100, s. 4.

Lands transferred by Canada

4. All lands acquired and all works constructed by the Commission under this Act belong to the Commission. 1952, c. 100, s. 5.

Title to lands and works

5. The Commission shall indemnify and save harmless Her Majesty in right of Ontario in respect of all claims of third parties in any way arising out of the construction, maintenance or operation of the works authorized by this Act. 1952, c. 100, s. 11.

Indemnification of Crown

6. The Commission shall pay Her Majesty in right of Ontario compensation in such manner and upon such terms as may be agreed upon by them from time to time for water diverted under clause *a* of subsection 1 of section 8. 1952, c. 100, s. 12.

Rates for water diverted

General fund
applicable

Rev. Stat.,
c. 281

7. The purposes and objects of this Act shall be deemed to be purposes and objects of the Commission under section 12 of *The Power Commission Act* and any liabilities of the Commission heretofore incurred and any expenditure of funds by the Commission heretofore made therefor are ratified and confirmed. 1952, c. 100, s. 9.

Powers

8.—(1) When the conditions mentioned in section 2 have been fulfilled and the Commission is required to proceed with the works mentioned therein, the Commission, without any further approval, may,

- (a) divert the waters of the St. Lawrence River in such manner and in such amount as in its opinion is necessary for the operation and utilization of the works, construct, maintain and operate the works, and by the use of these waters generate power and use, transform, transmit, convert, distribute, make available for use and supply it;
- (b) construct, install, maintain and operate works and roads required for or incidental to the other matters authorized by this Act;
- (c) connect any of the works constructed or installed under clause *a* or *b* with any other power works or systems;
- (d) acquire for the purposes of this Act by purchase, lease or otherwise, or without the consent of the owner, enter upon, take possession of, expropriate and use such land, waters, water privileges, water powers, access and other roads, buildings and works as in its opinion are necessary, and use, utilize, develop and improve them, and upon such terms as it deems proper, sell, lease or dispose of such of them as in its opinion are no longer necessary for its purposes;
- (e) acquire for the purposes of this Act, by purchase or otherwise, water, coal, steam, oil, material, equipment and other supplies;
- (f) do such other acts and things as in its opinion are reasonably necessary for carrying out this section. 1952, c. 100, s. 6 (1), *amended*.

Conditional
powers

(2) Subject to the approval of the Lieutenant-Governor in Council and for the purposes of this Act, the Commission may,

- (a) exercise any of the powers conferred upon it by *The Power Commission Act*;
- (b) by agreement and in lieu of compensation rehabilitate any person in respect of any land or property;
- (c) provide such services as are normally provided by a municipality or other local public authority either by itself or through or in conjunction with the municipality or other local public authority;

- (d) determine that a claim for compensation made under this Act is to be regarded as a claim in respect of an interest in land or an interest in property where such may not be the case in law;
- (e) do such acts and things as in its opinion are reasonably necessary for carrying out the Canada-Ontario agreement and this Act.

(3) Every municipality and other local public authority has power to enter into the agreements provided for in clause *b* of subsection 2. *New.* Municipal powers enlarged

9.—(1) Where the Commission desires to expropriate land under the powers conferred by this Act, it shall deposit in the proper registry or land titles office a plan and description of the land signed by the chairman or a member or the secretary or an engineer of the Commission, or by an Ontario land surveyor, and thereupon the land vests in the Commission. Deposit of plan and description

(2) Where the land is required for a limited time only, or only a limited estate, right or interest therein is required, the plan and description so deposited shall indicate, by appropriate words written or printed thereon, that the land is taken for such limited time only, or that only such limited estate, right or interest therein is taken, and by the deposit in such case, the right of possession for such limited time, or such limited estate, right or interest, vests in the Commission. Where land temporarily required, etc.

(3) Where the Commission is of opinion that it can obtain the whole of any lot or parcel of land of which a part may be expropriated by it at a more reasonable price or to greater advantage than by acquiring the part only, it may expropriate the whole of the lot or parcel and also a right-of-way thereto, if it is separated from the work, and may afterwards sell and convey the same or any part thereof as it deems expedient. Power to take whole lot when part only required

(4) Where any omission, misstatement or erroneous description is made in a plan or description, a correct plan and description may be deposited with like effect. Correcting plans and descriptions

(5) Where a plan and description purporting to be signed by the chairman or a member or the secretary or an engineer of the Commission or by an Ontario land surveyor is so deposited, it shall be deemed to have been deposited by the direction and authority of the Commission and as indicating that in the opinion of the Commission the land therein described is necessary for the purposes of this Act, and the plan and description shall not be called in question except by the Commission or by a person acting for the Commission. *New.* Verification of plans and descriptions

10.—(1) If any resistance or opposition is made by any person to the Commission, or to any person acting for it, entering upon and taking possession of land acquired for the purposes of this Act or exercising any power in respect thereof, the judge of the county Warrant for possession

court of the county in which the land is situate may, on proof of the execution of a conveyance of the land to the Commission, or agreement therefor, or of the depositing in the proper registry or land titles office of a plan and description thereof under section 9, and after notice to show cause given in such manner as he prescribes, issue his warrant to the sheriff of the county in which the land is situate directing him to put down such resistance or opposition, and to put the Commission, or a person acting for it, in possession thereof, or take such steps as may be necessary to enable it to exercise such power.

Duty and
powers of
sheriff

(2) The sheriff shall take with him sufficient assistance for such purpose, and shall put down such resistance or opposition, and shall put the Commission, or the person acting for it, in possession thereof, and shall forthwith make return to the court of such warrant and of the manner in which he executed it. *New.*

Right to
compensa-
tion

11.—(1) The Commission shall make to the owner of land entered upon, taken or used by it for the purposes of this Act just compensation under this Act for any damage necessarily resulting from such entry, taking or use, beyond any advantage that the owner may derive from the work for which the lands have been so entered upon, taken or used.

Idem

(2) The Commission shall make to the owner of any land or property injuriously affected in the carrying out of the purposes of this Act just compensation under this Act for any damage necessarily resulting therefrom, beyond any advantage that the owner may derive from the work for the purpose of which the land or property was injuriously affected. *New.*

Notice to
owner

12.—(1) Where land is expropriated or any other action is taken by the Commission that in its opinion might occasion a claim for compensation under this Act by any owner of land or property, it shall give notice to the owner.

Contents
of notice

(2) Every such notice shall,

- (a) describe the land expropriated or the land or property that may be injuriously affected;
- (b) in the case of an expropriation,
 - (i) state the date and particulars of the deposit of the plan and description, and
 - (ii) describe the nature of the work to be done; and
- (c) in any case other than that of an expropriation, describe the action taken or to be taken that might occasion a claim for compensation.

Time of
notice

(3) Every such notice shall be given,

- (a) in the case of an expropriation, within sixty days after the deposit of the plan and description; and

- (b) in all other cases at any time not later than sixty days after the taking of such action or of the possibility of a claim being made coming to the attention of the Commission,

and shall state that the person notified must file with the Commission within six months of the receipt of the notice particulars of any claim that he may have in respect of the expropriation or other action.

(4) The notice shall be given,

Method of notice

- (a) where the owner is known and his residence is known, by serving the notice upon or mailing it by registered post addressed to him at his residence; and
 - (b) where the owner is unknown or his residence is unknown, by publication of the notice once a week for at least three weeks in a newspaper having general circulation in the county in which the land or property affected is situate.
- New.*

13.—(1) Where notice has been given by the Commission under section 12, no claim of any kind for compensation in respect of the subject-matter of the notice shall be referred to the Board unless the claim and particulars thereof have been filed with the Commission within the period prescribed in the notice or within such further period as may in any case be agreed upon by the Commission.

Where notice given

(2) Where no notice has been given by the Commission under section 12, a claim for compensation shall be made by giving notice thereof to the Commission, and the provisions of this Act with respect to the fixing, payment and application of compensation apply thereto. *New.*

Where no notice given

14. Every person who has any estate or interest in any land or property acquired, taken or used in or injuriously affected in the carrying out of the purposes of this Act, or who represents any such person, shall, upon demand made therefor by or on behalf of the Commission, furnish to the Commission a true statement showing the particulars of such estate and interest and of every charge, lien or encumbrance to which the same is subject, and of the claim made by such person in respect of such estate or interest. *New.*

Power of Commission to require particulars

15.—(1) Where the Commission and the owner cannot agree upon the amount of compensation, either party may give notice in writing to the other and to the Board requiring that the amount of compensation be determined by the Board, and thereupon the Board shall be seized of the matter, which shall be proceeded with in accordance with the practice and procedure of the Board.

Where compensation cannot be agreed upon

(2) Either party may appeal with leave of a justice of appeal to the Court of Appeal from any order made by the Board under subsection 1, and the practice and procedure governing appeals from a county court apply *mutatis mutandis*.

Appeal to Court of Appeal

Finality

(3) The decision of the Court of Appeal is final. *New.*Right of
Commission
to abandon
land taken

16.—(1) Where at any time before the compensation has been actually ascertained or determined, land taken under this Act, or any part thereof, is found to be unnecessary for the purposes for which it was so taken, or if it is found that a more limited estate or interest therein only is required, the Commission may by notice in writing deposited in the proper registry or land titles office, declare that the land or such part thereof is not required and is abandoned by the Commission, or that it is intended to retain only such limited estate or interest as is mentioned in such notice, and thereupon,

- (a) the land declared to be abandoned reverts in the person from whom it was taken or in those entitled to claim under him; or
- (b) in the event of a limited estate or interest therein being retained by the Commission, the land so reverts subject to the estate or interest so retained.

Effect upon
compensa-
tion

(2) Where part only of the land or all of it but a limited estate or interest therein is abandoned, the fact of such abandonment, and the damage, if any, sustained in consequence of that which is abandoned having been taken, and all the other circumstances of the case, shall be taken into account in determining the amount to be paid to any person claiming compensation.

Damages
where
abandon-
ment
complete

(3) Where the whole of the land taken is abandoned, the person from whom it was taken is entitled to all damages sustained and all costs incurred by him in consequence of the taking and abandonment, and the amount of the damages shall be determined in the manner provided by this Act, and if a reference as to compensation is pending, shall be determined on such reference. *New.*

Contracts
by tenants
in tail,
executors
and others

17.—(1) Any tenant in tail or for life, guardian, committee, executor, administrator or person, not only for and on behalf of himself, his heirs and assigns, but also for and on behalf of those whom he represents, whether married women, infants, unborn issue, mental incompetents or other persons, seized, possessed or interested in any land or property, may contract and agree with the Commission for the sale of the whole or any part thereof, and may convey or deliver the same to the Commission, and may also contract and agree with the Commission as to the amount of compensation to be paid for any such land or property, or for damage occasioned thereto, and may also act for and on behalf of those whom he represents in any proceeding for determining the compensation to be paid under this Act.

Representa-
tion of
person under
disability

(2) Where there is no guardian or other person to represent a person under disability, the judge of the county court of the county in which the land or property is situate may, after due notice to the persons interested, appoint a guardian or person to represent the person under disability for any of the purposes mentioned in subsection 1. *New.*

18.—(1) In the cases provided for in section 17 the Commission shall, and in all other cases if for any reason the Commission deems it advisable, it may, pay the compensation into the office of the Accountant of the Supreme Court, with interest thereon at 5 per cent for six months. Payment of compensation into court

(2) A notice in such form and for such a time as a judge of the High Court may direct shall be published in such newspaper as the judge may order, stating that the land or property is purchased, acquired or taken by the Commission under this Act, and calling upon all persons entitled to the land or property or to any part thereof to file their claims to the compensation or any part thereof, and all such claims shall be adjudicated upon by the judge, and the judge shall make such order for the distribution, payment or investment of the compensation, and for securing the rights of all parties interested as to right and justice and to law appertains. Proceedings after payment into court

(3) If such order of distribution is obtained less than six months after the payment of the compensation into court, the judge may direct a proportionate part of the interest to be returned to the Commission, and if it is not obtained until after six months have expired the judge may order the Commission to pay interest for such further period as he deems just. Adjustment

(4) Where unborn issue or an unascertained person or class are interested in the compensation, the judge may appoint such person as he deems proper to represent or act for them, and any order made is binding on them. *New.* Representation of parties

19. If the compensation agreed upon or adjudged does not exceed \$100, it may be paid to the person who under this Act may lawfully convey the land or deliver the property or agree as to the compensation, saving always the rights of any other person to the compensation as against the person receiving it. *New.* Payment of compensation up to \$100

20. The compensation agreed upon or adjudged stands in the stead of the land or property, and any claim to or encumbrance thereon shall, as respects the Commission, be converted into a claim to or upon the compensation, and no longer affects the land or property so acquired, taken or used. *New.* Character of compensation

21.—(1) Interest at the rate of 5 per cent per annum may be allowed on the compensation from the time when the land or property was taken, used or injuriously affected; but no person to whom a sum equal to or greater than the compensation has been offered in writing shall be allowed interest thereon for any time subsequent to the date of the offer. Interest on compensation money

(2) If the Board is of the opinion that any delay in determining the compensation is attributable wholly or in part to a person entitled to the compensation or any part of it, the Board may refuse to allow him interest for the whole or any part of the time for which When interest may be withheld

he might otherwise be entitled to interest, or may allow interest at such rate less than 5 per cent per annum as appears just. *New.*

When
reparation
by Com-
mission
may be
ordered

22. If the damage occasioned to any land or property alleged to be injuriously affected in the carrying out of the purposes of this Act may be removed wholly or in part by any alteration in, or addition to, any work, or by the construction of any additional work, or by the abandonment of any part of the land taken from the claimant, or by the grant to him of any land or easement, and if the Commission before an award is made undertakes to make such alteration or addition, or to construct such additional work or to abandon such portion of the land taken, or to grant such land or easement, the damages shall be determined in view of such undertaking, and the Board shall declare that, in addition to any damages awarded, the claimant is entitled to have such alteration or addition made, or such additional work constructed, or such part of the land abandoned, or such grant made to him. *New.*

Compensa-
tion to be
under Act

23. All claims and proceedings in respect of compensation or damages for any land or property acquired, taken or used in or injuriously affected in the carrying out of the purposes of this Act shall be brought under and in accordance with this Act and not otherwise. *New.*

1952, c. 100,
repealed

24. *The St. Lawrence Development Act, 1952* is repealed.

Commence-
ment

25. This Act comes into force on a day to be named by the Lieutenant-Governor by his Proclamation.

Short title

26. This Act may be cited as *The St. Lawrence Development Act, 1952 (No. 2).*

ORDERS IN COUNCIL

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities, persons, and corporations mentioned in the list hereunder given were approved by Orders in Council.

SOUTHERN ONTARIO SYSTEM

TOWN			
Port Colborne.....	May 29, 1952	Grimsby North.....	July 30, 1952
		Gwillimbury East.....	Dec. 15, 1952
VILLAGES		Hamilton.....	July 15, 1952
Bronte.....	Feb. 26, 1952	Hibbert.....	Feb. 13, 1952
Casselman.....	July 31, 1952	Lanark.....	Dec. 17, 1952
Sundridge.....	Apr. 15, 1952	Lavant.....	July 15, 1952
Sundridge.....	July 2, 1952	London.....	Apr. 7, 1952
		Markham.....	Nov. 19, 1952
TOWNSHIPS		Mono.....	Dec. 15, 1952
Adjala.....	Dec. 15, 1952	Oxford West.....	July 2, 1952
Brant.....	Mar. 31, 1952	Plantagenet North.....	Aug. 20, 1952
Caledon.....	July 22, 1952	Portland.....	Oct. 17, 1952
Cambridge.....	Oct. 1, 1952	Seneca.....	Feb. 13, 1952
Cartwright.....	Nov. 19, 1952	Sydenham.....	July 30, 1952
Dumfries South.....	Oct. 17, 1952	Vaughan.....	Nov. 19, 1952
Gosfield South.....	Nov. 18, 1952	Verulam.....	Dec. 17, 1952
Griffith & Matawatchan.....	Jan. 18, 1952	Wainfleet.....	June 23, 1952
		Winchester.....	May 2, 1952

CORPORATIONS

Aluminum Company of Canada, Limited	Nov. 10, 1952
Anglin-Norcross Ontario Limited	Oct. 1, 1952
Atomic Energy of Canada Limited	Aug. 7, 1952
Best Yeast Limited	Aug. 26, 1952
Bethlehem Mines Corporation	Mar. 3, 1952
Building Products Limited	Aug. 20, 1952
Canada Cement Company, Limited	Mar. 31, 1952
Canadian Industries Limited	Apr. 8, 1952
Canadian Industries Limited	June 16, 1952
Canadian International Paper Company	June 16, 1952
Consolidated Sand and Gravel, Limited	Mar. 17, 1952
Exolon Company	Dec. 31, 1951
Ford Motor Company of Canada, Limited	June 23, 1952
Goodyear Tire & Rubber Company of Canada, Limited	Oct. 24, 1952
Gypsum, Lime and Alabastine, Canada, Limited	Aug. 19, 1952
Her Majesty the Queen in right of Canada, represented by the Minister of National Defence for the Dominion of Canada	Sept. 19, 1952
Her Majesty the Queen in right of Canada, represented by the Minister of National Defence	Dec. 17, 1952
His Majesty the King in right of Canada, represented by the Minister of National Defence for the Dominion of Canada	Feb. 5, 1952
Maple Leaf Milling Company Limited	Mar. 11, 1952
McKinnon Industries, Limited	Feb. 14, 1952
National Fireproofing Company of Canada, Limited	Oct. 1, 1952
National Harbours Board	Oct. 6, 1952
National Research Council	May 26, 1952
National Research Council	June 16, 1952
Nichols Chemical Company, Limited	Nov. 28, 1952
North American Cyanamid Limited	Oct. 24, 1952
Page-Hersey Tubes, Limited	Dec. 5, 1951
Roe, A. V., Canada Limited	Apr. 15, 1952
Roe, A. V., Canada Limited	Apr. 16, 1952
Trans-Northern Pipe Line Company	Mar. 31, 1952

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Chelmsford	Feb. 13, 1952	Billings and East Allan	Feb. 13, 1952
Cochrane	Mar. 17, 1952	Black River	Apr. 22, 1952
Kapusksasing	June 16, 1952	Ferris West	Feb. 13, 1952
		Hallam	Mar. 3, 1952
TOWNSHIPS			
Baldwin	Feb. 13, 1952	Rutherford & George Island	Dec. 15, 1952
		Salter, May and Harrow	Jan. 30, 1952

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Abitibi Power & Paper Company, Limited	Aug. 1, 1951
Boymar Gold Mines Limited	Oct. 24, 1952
Campbell Red Lake Mines Limited	June 23, 1952
Central Patricia Gold Mines Limited	Oct. 24, 1952
Cob-Sil Ore Mines Limited	Feb. 13, 1952
East Rim Nickel Mines Limited	May 12, 1952
Great Lakes Paper Company, Limited	Dec. 15, 1952
Jerome Gold Mines Limited	Oct. 21, 1952
Magnet Consolidated Mines Limited	Aug. 27, 1952
Matarrow Lead Mines Limited	Mar. 11, 1952
McKenzie Red Lake Gold Mines Limited	Apr. 8, 1952
Milnet Mines Limited	Feb. 13, 1952
New Dickenson Mines Limited	Apr. 7, 1952
New Jason Mines Limited	Dec. 17, 1952
New Mosher Longlac Mines Limited and Hard Rock Gold Mines, Limited	Feb. 26, 1952
New Ryan Lake Mines Limited	Jan. 30, 1952
Newlund Mines Limited	Nov. 27, 1951
Ontario Pyrites Company Limited	Apr. 28, 1952
Pickle Crow Gold Mines Limited	Feb. 13, 1952
Shag Silver Mines Limited	Mar. 11, 1952

LIST OF ABBREVIATIONS

A.T.S.	—Autotransformer Station	kwh	—kilowatt-hour(s)
d-c	—direct current	min	—minimum
D.S.	—Distributing Station		—minute (20-min)
F.C.	—Frequency-changer	N.O.P.	—Northern Ontario Properties
G.S.	—Generating Station	rpm	—revolutions per minute
H-E.P.C.	—The Hydro-Electric Power Commission of Ontario	R.O.A.	—Rural Operating Area
H-E.S.	—Hydro-Electric System	S.O.S.	—Southern Ontario System
hp	—horsepower	S.S.	—Switching Station
Imp. Dist.	—Improvement District	T.B.S.	—Thunder Bay System
Jct.	—Junction	T.S.	—Transformer Station
kv	—kilovolt(s)	Twp.	—Township
kva	—kilovolt-ampere(s)	v	—volt
		V.A.	—Voted Area

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 B = Statement "B"—Operating Reports of Municipal Electrical Utilities
 C = Statement "C"—Cost of Power to Municipalities and Rates to Customers for Domestic, Commercial light, and Power service
 D = Statement "D"—Customers, Revenue and Consumption in Municipalities
 L = Statement of Loads of Systems in Municipalities
 CP = Statement of Cost of Power to Municipalities
 SF = Statement of Sinking Fund Payments by Municipalities

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Code letters *A, B, C, D*, with page references, represent each of the statements so designated. *L* represents Load Trends, *CP* Cost of Power, and *SF* Sinking Fund Payments.

Forty-Sixth Annual Report

of

**The Hydro-Electric Power Commission
of Ontario**

1953



This Report is published pursuant to The Power Commission Act,
Revised Statutes of Ontario, 1950, Chapter 281, Section 9

Toronto

Ontario

Canada



Fig. 1. Aerial photograph of the pulp mill and its surroundings.

Fig. 1. Aerial photograph of the pulp mill and its surroundings. The main building of the mill is visible in the center of the image. To the right of the main building is a large pond. The surrounding area is a mix of cleared land, fields, and some forested areas. A road or railway line runs parallel to the river on the left side of the facility.



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

1953

ROBERT H. SAUNDERS, C.B.E., Q.C.
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HON. GEORGE H. CHALLIES, M.L.A.
1st Vice-Chairman

W. ROSS STRIKE, Q.C.
2nd Vice-Chairman

RICHARD L. HEARN, D.ENG.
General Manager
and Chief Engineer

ERNEST B. EASSON,
Secretary

HEAD OFFICE
620 University Avenue, Toronto, Ontario

LETTER OF TRANSMITTAL

TORONTO, ONTARIO, JUNE 21, 1954

THE HONOURABLE LOUIS O. BREITHAUP, LL.D.

Lieutenant-Governor of Ontario

SIR:

I am honoured, as Chairman of The Hydro-Electric Power Commission of Ontario, to present the Commission's Forty-sixth Annual Report for the year ended December 31, 1953.

The growing level of prosperity in the Province, large-scale expansion of industry, and increased farm output are impressively reflected in Ontario Hydro's all-out effort during the year to keep abreast of mounting power demands.

Continuing with its greatest expansion program in its history—initiated just eight days after the war—Ontario Hydro has increased its capacity by 84 per cent since the beginning of the program in 1945. During 1953, the dependable peak capacity of the Commission's resources was increased by 6.3 per cent from 4,495,100 horsepower at the end of 1952 to 4,779,300 horsepower last December. The major part of this increase results from the placing in service of new generating facilities at the Otto Holden, Richard L. Hearn, and J. Clark Keith Generating Stations.

During the year under review, 20,912,445,364 kilowatt-hours were produced for load purposes—exceeding the previous record production in 1952 by 4.7 per cent. Commission-owned or -operated generating stations, 64 hydro-electric and 6 fuel-electric, accounted for 16,262,760,941 kilowatt-hours of the above total.

Achievements

Naturally enough, everyone is proud of his own achievements. But we sincerely believe that the citizens of this Province can be truly proud of their

Ontario Hydro for its continuing efforts to improve service at a minimum of cost and bring a higher standard of living to our people.

The year 1953 was significant in many ways for it saw the fulfilment of a wonderful effort on the part of Hydro's management and employees. Highlights of our 1953 operations included: (1) major additions to transformer and distribution facilities; (2) installation of the eighth and final unit at Hydro's Otto Holden Generating Station on the Ottawa River, completed last April, to give the station a dependable peak capacity of 282,000 horsepower and complete Hydro's present development of the river where 951,000 horsepower has been harnessed since 1945; (3) completion of the third and fourth units at Hydro's J. Clark Keith Generating Station in Windsor, raising its installed capacity at 60 cycles to 354,000 horsepower; (4) the addition of the fourth unit at Hydro's Richard L. Hearn Generating Station in Toronto, which will give the station an installed capacity of 536,000 horsepower when all units are operating at 60 cycles; (5) authorization of a pumped-storage reservoir and provision for four additional units as required at the Sir Adam Beck No. 2 project, which will give the development an ultimate installed capacity of 1,828,000 horsepower; (6) the commencement of construction at Hydro's fifteenth post-war power development, the Manitou Falls Generating Station on the English River in northwestern Ontario, which will have a capacity of 56,500 horsepower; (7) authorization of the fourth unit at Pine Portage Generating Station to serve the growing power needs of the northwestern area, an addition which will raise the station's dependable peak capacity to 158,600 horsepower in four units; (8) two interconnections completed with The Detroit Edison Company, which will give some 400,000 horsepower of further protection to the Hydro system; (9) signing of one of the most progressive agreements in Canadian labour history; (10) development of a remedial scheme to preserve and enhance the beauty of Niagara Falls and provide for more effective use of the river-flow for power production; (11) important developments with respect to the St. Lawrence River power project; (12) continuation of program to extend benefits of electricity to rural Ontario; (13) completion of changeover for one-third of the total customers in our frequency standardization program; (14) commencement of "feasibility studies" in co-operation with Atomic Energy of Canada Limited at an estimated two-year cost of \$200,000.

The Commission's Finances

Ontario Hydro's finances were, from the start, placed on a very conservative basis. Reserves were set up for depreciation and yet another reserve for sinking fund. In addition, there are reserves for contingencies and rate stabilization. The effect of the sinking fund reserves is such that if no further increase in the demand for power were foreseen, and the Commission ceased to have capital construction costs, Ontario Hydro's total debt would be paid off in forty years.

It is obvious, however, that the increase in demand for power will not cease and has in fact, during the last ten years, necessitated the tremendous expansion of our resources. Capital expenditure during 1953, for example, amounted to \$183,634,698, of which approximately 64 per cent was spent on generating facilities. It must be obvious that in such times of rapid expansion the Commission's debt will appear to be increasing at an alarming rate, but it should be remembered that once power from the new stations becomes available, both sinking fund and depreciation reserves grow in proportion to the growth of the systems.

We should like to assure not only Hydro's customers but all the citizens of Ontario that our finances are in a very strong position. At December 31, 1953, the assets of the Commission after deducting depreciation reserves of \$151,285,056 amounted to \$1,491,302,267. The long-term debt outstanding at the end of the year amounted to \$1,040,484,559, an increase of \$178,193,441 over 1952. Sinking fund reserves at the end of 1953 stood at \$199,064,931, of which all but \$5,318,320 held in investment securities and cash had been used for debt retirement.

The confidence placed in Ontario Hydro and the Province by Canadians is readily indicated by the speed with which our bonds are bought. During the year, Hydro bonds to the extent of \$200,000,000 were issued and sold.

Municipal

Back on October 29, 1952, I pointed out that in 1951 the margin between actual cost and the prevailing interim rate varied quite substantially. I announced at that time that in future the interim rate would more closely represent the actual cost of power. It was to be expected, therefore, that for 1953 the rebates would be lower and fewer in number.

In Ontario Hydro's Southern Ontario System—that part of the Province south of North Bay between the Ottawa River and the Michigan boundary line—our revenue for 1953, other than rural, totalled \$91,160,911. The corresponding expenditure, other than for rural operations, was \$90,206,291, resulting in a total net refund of \$954,620. Similarly, the net refund to municipalities in our Northern Ontario Properties totalled \$22,182.

I am happy to state that in 1953 we were able to continue the supply of an abundance of electric energy at low cost. An examination of the Annual Report will show that each domestic customer used an average of 4,404 kilowatt-hours last year. This compares with an average of 2,454 used in 1945, and of 2,039 used in 1939.

It is significant, too, that the average kilowatt-hour cost to the domestic customer in 1953 was 1.155 cents as compared with 1.074 cents in 1945 and 1.259 cents in 1939.

Rural

At December 31, 1953, the Commission had completed ten years of rural electrical service under the uniform rate structure established on January 1, 1944. During this decade, the total mileage of rural primary distribution lines increased from 20,087 miles to 41,589 miles, or by 107 per cent. Total number of rural customers served, after making allowance for the annexation by municipalities of certain suburban areas, increased from 136,164 at the end of 1943 to 371,855 at the end of 1953, or by 173 per cent.

By referring to this Report, it will be seen that in southern Ontario's rural operations the revenue in 1953 totalled \$26,406,723. Expenditures in this regard were \$26,328,268, leaving a net surplus of \$78,455 as compared with a net surplus in 1952 of \$25,163.

We are, of course, extremely pleased that electricity is proving to be of great benefit to the farmers and other rural folk. In fact, last year each Ontario Hydro farm customer consumed an average of 3,885 kilowatt-hours as compared with 2,199 in 1945 and 1,673 in 1939. The average kilowatt-hour cost to farm customers was 2.164 cents in 1953 as compared with 1.900 cents in 1945 and 2.56 cents in 1939.

Acknowledgments

I think it is appropriate that I place on record at this time the wonderful co-operation received in bringing the negotiations for the St. Lawrence River power project to a successful climax. I think particularly of two great men—the Right Honourable Louis St. Laurent, Prime Minister of Canada, and the Honourable Leslie M. Frost, Prime Minister of Ontario—who in this regard lent their full support and that of their governments. I acknowledge the efforts of the Right Honourable C. D. Howe, the Honourable Lionel Chevrier, and the Honourable Lester B. Pearson. I should like also to pay tribute to the late Mr. H. Hume Wrong who, as Under-Secretary of State for External Affairs and previously as Canadian Ambassador in Washington, had done so much to establish that understanding and mutual confidence which was essential to the success of the negotiations between the Governments of Canada and the United States.

As I have stated on previous occasions, the tremendous engineering, construction, administrative, and financial efforts which are behind Ontario Hydro's record of achievement during 1953 would not have been possible without the whole-hearted co-operation of governments and individuals at all levels.

Reference has already been made to leaders of the Federal and the Provincial Governments, but I wish also at this time to express the gratitude of the Commission to other members of these governing bodies and to the Municipal Governments and their officials for their wonderful co-operation. I acknowledge particularly the public-spirited service of the officers and members of the

Ontario Municipal Electric Association and the Association of Municipal Electrical Utilities whose concern is not only for their respective municipalities but for the Hydro enterprise as a whole.

Our sincere thanks are extended to the Commission's suppliers and contractors whose assistance has been given as required, and to those men of labour who have contributed to the successful achievements of the year.

The press and radio and television stations have been most helpful in assisting us to keep the public informed and we thank them for their keen interest at all times in Hydro matters.

The record presented in this Report is possibly the greatest tribute that can be paid to the valuable service given by the Commission's staff and by the staffs of contractors engaged on the Commission's projects. Under the highly-efficient guidance of Dr. Richard L. Hearn, General Manager and Chief Engineer, ably assisted by Dr. Otto Holden, Assistant General Manager—Engineering, and Mr. A. W. Manby, Assistant General Manager—Administration, the affairs of Ontario Hydro have been conducted in a manner which justifies the pride of our citizens in Canadian engineers. On behalf of the Commission, therefore, I wish to express our thanks to these capable officers of the organization. I wish also to acknowledge the valuable assistance given to me as Chairman by my colleagues, the Honourable George H. Challies, First Vice-Chairman, and Mr. W. Ross Strike, Q.C., Second Vice-Chairman, whose devoted service has contributed to the successful administration of Ontario Hydro affairs.

Respectfully submitted,

ROBERT H. SAUNDERS,
Chairman

LETTER OF SUBMITTAL BY THE GENERAL MANAGER
AND CHIEF ENGINEER

TORONTO, ONTARIO, JUNE 20, 1954

ROBERT H. SAUNDERS, ESQ., C.B.E., Q.C., *Chairman*,
and COMMISSIONERS

SIRS:

The Forty-sixth Annual Report of The Hydro-Electric Power Commission of Ontario, submitted herewith, relates to the Commission's activities during the year ended December 31, 1953. In the Southern Ontario System these activities, whether for the supply of the municipal, rural, or direct industrial customers of the system, were conducted on behalf of the municipalities that have contracted to receive power at cost; in the Northern Ontario Properties they were undertaken either on behalf of the municipalities served under cost contract or in trust for the Province of Ontario.

The unusually severe shortage of water in the Ottawa River watershed during the second half of 1953 made it necessary to greatly expand production at the large fuel-electric stations, where the major increases in generating capacity were made during the year. Further assistance provided over inter-connections with neighbouring systems enabled the Commission to supply new record demands for power and energy in 1953.

The year's operations also show continued growth in the number of customers served and revenues received. Excellent progress was maintained in planning and construction in anticipation of future power requirements and in the standardization of the Southern Ontario System at 60 cycles.

The contribution made by the staff in achieving these favourable results, and their loyal support in all the Commission's undertakings are gratefully acknowledged.

Respectfully submitted,

RICHARD L. HEARN,
General Manager
and Chief Engineer

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FORTY-SIXTH ANNUAL REPORT
OF
**The Hydro-Electric Power Commission
of Ontario**

FOREWORD
and Guide to the Report

THE Hydro-Electric Power Commission of Ontario is a separate entity, a self-sustaining public concern endowed with broad powers to produce, buy, and deliver electric power throughout the Province, and to perform certain regulatory functions with respect to the municipal electrical utilities which it serves. The enterprise represented by the Commission is generally known and referred to as the Ontario Hydro.

The Commission was created in 1906 by an enactment of the Ontario Legislature after consideration of recommendations made by advisory commissions. These had been appointed in response to public demand that the water powers of Ontario should be conserved and developed for the benefit of all the people of the Province. The Commission operates under the authority of The Power Commission Act (7-Edward VII, c. 19) passed in 1907 as an amplification of the Act of 1906 and subsequently modified by numerous amending acts (Revised Statutes of Ontario, 1950, c. 281).

The Commission consists of three members appointed by the Lieutenant-Governor in Council. One commissioner must be a member, and two may be members, of the Executive Council of the Province of Ontario.

Annual Summary

This 46th Annual Report reviews the work accomplished during 1953 in the continuing power development program, and records the activities and financial results of the Commission's general operations in both the Southern Ontario System and the Northern Ontario Properties. The text and statistical tables in most sections of the Report deal with each of the systems separately.

Major activity in the development program occurred in the Southern Ontario System at Sir Adam Beck-Niagara Generating Station No. 2 on the Niagara River where good progress was made towards the completion of the first of the two hydraulic pressure tunnels and other sections of the project. It is expected that the first unit will be placed in service in April 1954. The placing in service of the fourth unit at Richard L. Hearn Generating Station in Toronto and of the third and fourth units at J. Clark Keith Generating Station in Windsor brought to completion the program of construction and expansion at these stations. At Otto Holden Generating Station on the Ottawa River, the eighth and final unit was placed in service early in April. In the Northern Ontario Properties, construction was undertaken for the addition of the third and fourth units at Pine Portage Generating Station. Plans were made for the development at Manitou Falls on the English River and the initial stages of construction work were begun.

Under the terms of The Niagara Diversion Treaty signed by Canada and the United States in 1950, the two countries undertook to share equally in the cost of the construction in the Niagara River of remedial works whose purpose was to preserve and enhance the scenic beauty of the falls. In March 1950, the Government of Ontario, by an agreement with the Government of Canada, undertook to construct the Canadian portion of the works, and this agreement was later approved by The Niagara Development Act, 1951, of the Provincial Legislature. The Provincial Government in turn delegated the actual construction to The Hydro-Electric Power Commission of Ontario and by the end of 1953, the first stages of construction had begun.

In November 1953, the President of the United States named the Power Authority of the State of New York as the entity to undertake the power project on the United States side of the International Rapids Section of the St. Lawrence River. The licence granted to the Power Authority by the Federal Power Commission was, however, challenged in the courts of the United States. In the meantime, preliminary engineering studies were continued, and Ontario Hydro was prepared to proceed with the construction of its part of the development immediately upon the removal of all obstacles to participation by the Power Authority of the State of New York.

In September 1953, the facilities of the Commission's Southern Ontario System at Windsor and near Sarnia were connected for the interchange of power with the facilities of the system of The Detroit Edison Company. These interconnections will be of mutual advantage and will add materially to the security of both systems.

Organization

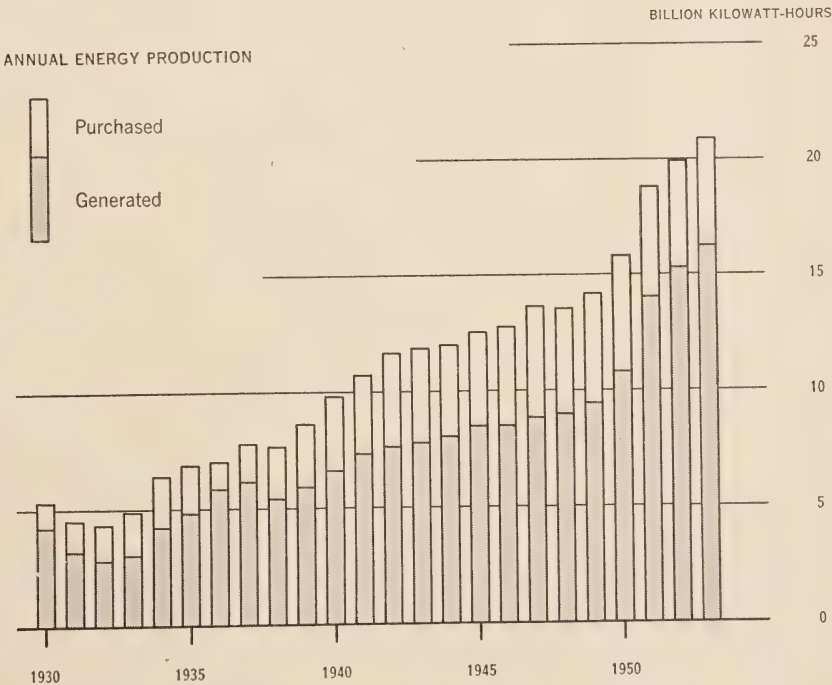
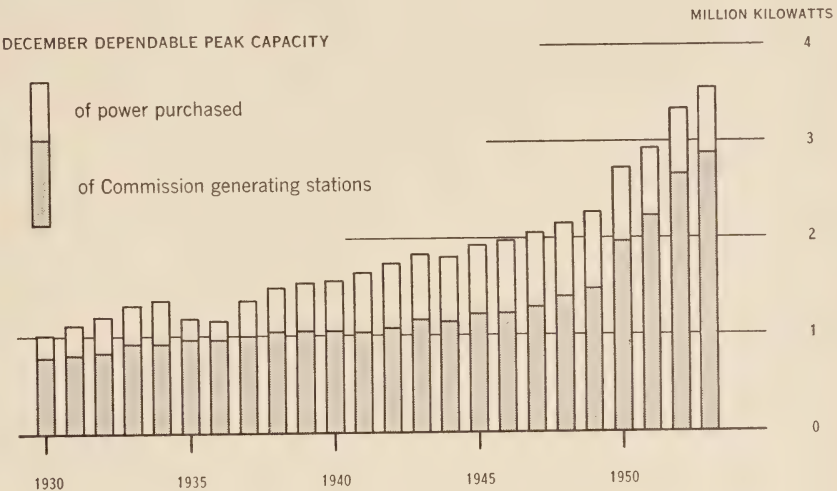
The organization of the Commission covers three main functions—policy making, policy interpretation, and action. The Commissioners constitute the final authority on policy decisions. The General Manager and Chief Engineer is the principal executive officer and is responsible for the carrying out of Commission policy and decisions, principally through the means of the two main branches of the organization—Engineering and Administration—each of which is headed by an Assistant General Manager.

Systems

In both the Southern Ontario System and the Northern Ontario Properties, the Commission's customers include municipal electrical utilities, certain large

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TOTAL POWER RESOURCES AND ENERGY PRODUCTION



industrial customers, and retail customers served through the rural operating areas or through certain local systems owned and operated by the Commission.

The Southern Ontario System serves the older and more populous part of Ontario lying south of a line drawn approximately west from Mattawa on the upper Ottawa River to Georgian Bay. Primarily it serves a group of 314 municipalities receiving power at cost under contracts established according to the provisions of The Power Commission Act, and it is therefore referred to as a co-operative system.

The Northern Ontario Properties is a consolidation for financial and administrative purposes of all the services operated by the Commission in northern Ontario. Though not a co-operative system in the same sense as the Southern Ontario System, the Northern Ontario Properties does serve on a cost-contract basis six municipalities that formerly comprised the Thunder Bay co-operative system. Service to the other customers of the Northern Ontario Properties is provided by facilities held and operated in trust for the Province of Ontario.

The territory served by the Northern Ontario Properties extends in the northern part of the Province from the Quebec boundary to the boundary of Manitoba and is divided into a Northeastern and a Northwestern Division for operational purposes. Each of these Divisions is an integrated power system as the result of the gradual consolidation of several formerly isolated systems. There is, however, no power connection between the two Divisions. Since 1950, there has been an interconnection between the Northeastern Division and the Southern Ontario System.

Financial Features

The basic principle governing the financial operations of the undertaking is that electrical service is provided by the Commission to municipalities, and by the municipalities to their customers at cost. Cost includes, in addition to the cost of power purchased, all charges for operation and maintenance, for interest on capital investment, and for reserves covering depreciation, contingencies and obsolescence, and stabilization of rates. It also includes a reserve for a sinking fund to retire capital debt.

The undertaking from its inception has been self-supporting apart from the assistance provided by the Provincial Government for 50 per cent of the capital cost of rural distribution facilities. The provision of this part of rural capital is undertaken in pursuance of the Province's long-established policy of assisting agriculture. The Province also guarantees the payment of principal and interest of all bonds issued by the Commission and held by the public.

The undertaking as a whole involves two distinct phases of operations as follows:—

The *first* phase of operations is the provision of the power supply—either by generation or purchase—and its transformation, transmission, and delivery in *wholesale* quantities to municipal electrical utilities, certain large industrial customers, and rural operating areas. This phase of operations is performed by The Hydro-Electric Power Commission of Ontario.

The *second* phase of operations is the *retail* distribution of electric energy. In most cities and towns, and in many villages and certain township areas, retail distribution of electric energy is conducted by municipal commissions

under the general supervision of The Hydro-Electric Power Commission of Ontario as provided for in The Power Commission Act and The Public Utilities Act. These local commissions own and operate their own distribution facilities. In a small group of municipalities, The Hydro-Electric Power Commission of Ontario owns the distribution facilities and conducts retail distribution through what are called local systems. Throughout most of rural Ontario, the Commission, on behalf of the respective townships, operates the distribution facilities and attends to all physical and financial operations connected with the retail distribution of energy to the customers in the rural operating areas. Since 1944, the rate structure applying to the Commission's farm, hamlet, commercial, and summer service customers has been uniform throughout the Province.

Guide to the Report

Section I, "Operation of the Systems," describes and discusses the production, purchase, and delivery of power during the year. Details are given of demands, capacities, loads carried, water resources, weather conditions, and other factors affecting operations. There are also reports on the maintenance of the systems and on forestry work.

Section II, "Financial Statements," contains the Commission's balance sheets, statements of operations, and tables showing the funded debt and advances from the Province of Ontario. These, together with supporting schedules to be found in Appendix II, give a comprehensive picture of the financial organization and condition of the Southern Ontario System and the Northern Ontario Properties.

Section III, "The Commission's Customers," is concerned with the supply of electric power and energy in wholesale quantities to the municipal and industrial customers of the Commission and to the Rural Power District. A classification of the municipal customers is given and the salient features of the loads of the three groups of wholesale customers are presented in graphic form. A subsection on rural electrical service discusses the retail distribution of power and energy in the Rural Power District, and this is followed by reports from the regions relating to municipal activities. These contain brief notes on new municipal customers and the construction of distribution facilities.

Section IV, "Frequency Standardization," reports on the progress of standardization operations in the Southern Ontario System and deals in this connection with planning, engineering, and other aspects of the changing over of Commission and customer equipment.

Section V, "Engineering and Construction," tells of the planning and construction of facilities for the generation and delivery of power, and includes data and descriptions of the more important projects.

Section VI, "Research and Testing Activities," contains reports on the progress or completion of some of the more important investigations conducted by members of the Commission's Research Division and directed towards the achievement of more efficient, more economical, and safer methods of operation.

Section VII, "Personnel Administration," gives certain statistics on the employees of the Commission and deals briefly with recent developments affecting the Commission, the staff, and their mutual relationship.

Section VIII, "Municipal Electrical Service," is the largest in the Report. In addition to a brief review of the combined retail activities of the municipal electrical utilities and of the Commission through its local systems, the Section includes four statistical tabulations. They give financial statistics, rates, and statistics on the retail services in over 300 municipalities supplied by the Commission.

Appendix I—Operations, contains summary tables of loads and capacities, a table of generating station capacities and outputs, and a table showing the loads of the Commission's municipal customers.

Appendix II—Financial, supports the financial statements contained in Section II.

Appendix III—Customers, includes tabular material supplementary to that in Section III, for the most part details of rural rates and statistics of rural service.

Appendix IV—Engineering and Construction, provides details on the changes and additions in the Commission's transmission and communications facilities.

Appendix V—Legislative, reproduces amendments to The Power Commission Act and to The Rural Telephone Systems Act, and a list of agreements approved.

SECTION I

OPERATION OF THE SYSTEMS

ANNUAL primary power and energy requirements for all systems in 1953 exceeded those of 1952 by more than six per cent. Operations during the year, apart from the problems that normally attend such increases, were complicated by a serious shortage of water. In the four months from June to September the cumulative run-off in the controlled storage area above Timiskaming Dam on the Ottawa River was the lowest on record, and for the entire second half of the year it was the lowest since 1914. The effect of this shortage, which curtailed production of hydro-electric energy for the Southern Ontario System, was still further complicated by the progress of frequency standardization and the heavy demands made upon facilities to provide 60-cycle energy. The Commission met the challenge of increased requirements and of these complicating problems most effectively, and the relationship between demands and resources proved in 1953 to be the most satisfactory since 1945.

The dependable peak capacity of the Commission's resources was increased from 3,353,350 kilowatts in December 1952 to 3,565,350 kilowatts in December 1953. The major part of this increase of 6.3 per cent results from the placing in service of new generating facilities at the Otto Holden, Richard L. Hearn, and J. Clark Keith Generating Stations in the Southern Ontario System. The addition of these facilities made it possible to generate record amounts of power and energy in spite of the water shortage and the loss in generating capacity resulting from a serious fire at Chats Falls Generating Station in March.

During the year 20,912,445,364 kilowatt-hours were produced for commercial load purposes. Commission-owned or -operated generating stations, 64 hydro-electric and 6 fuel-electric, produced 16,262,760,941 kilowatt-hours of this amount. The balance of 4,649,684,423 kilowatt-hours was purchased under regular, temporary, and short-term agreements. The net output of all resources exceeded the previous record of 19,974,428,002 kilowatt-hours produced in 1952 by 4.7 per cent.

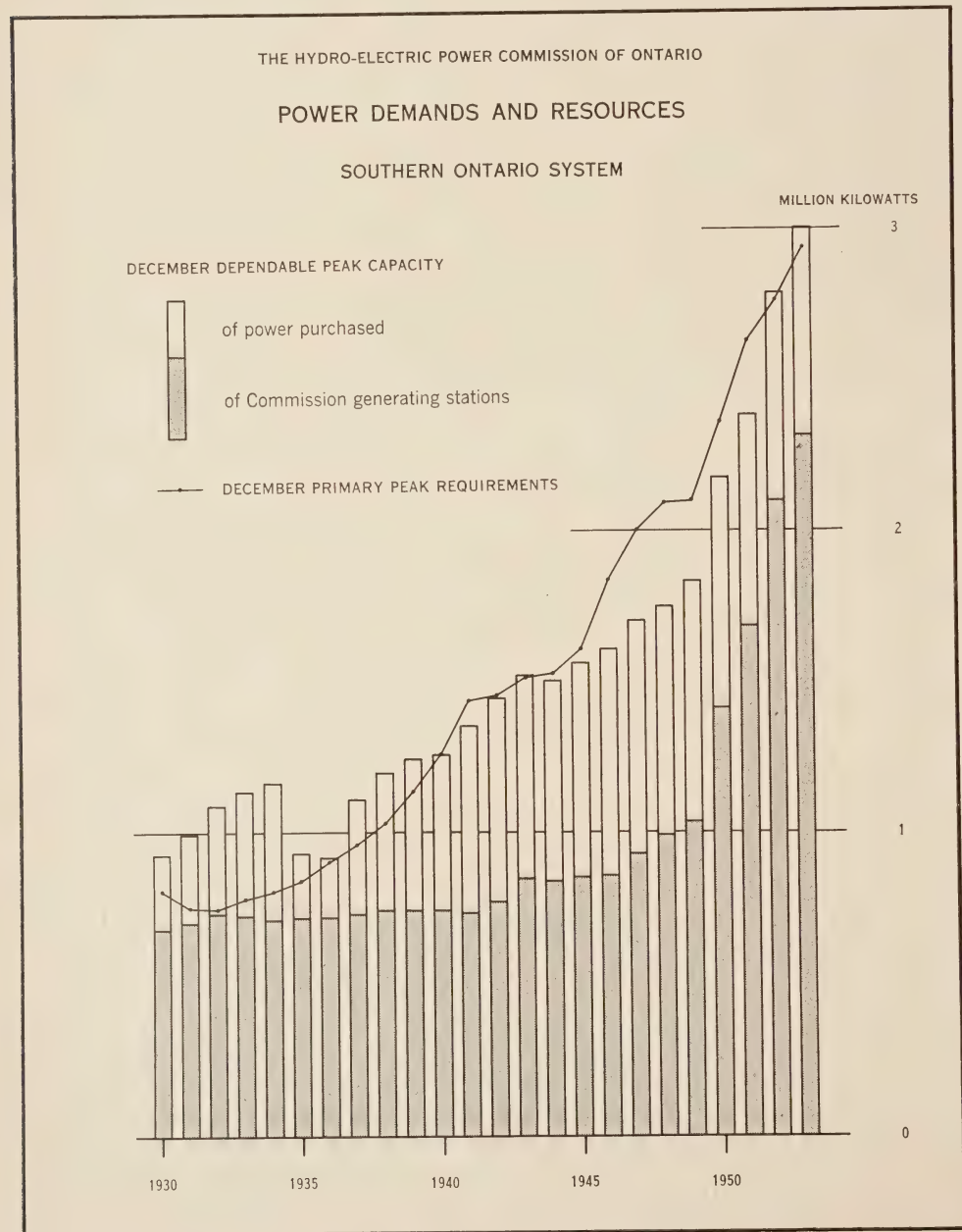
The Commission's fuel-electric resources in both systems had a net output of 1,758,967,050 kilowatt-hours in 1953, more than four times the total of 413,783,440 kilowatt-hours in 1952. With the development of the water shortage in July, the two major fuel-electric stations in Toronto and Windsor began operating primarily as sources of base load supply in order to compensate for the reductions in the energy output of hydro-electric resources. In addition,

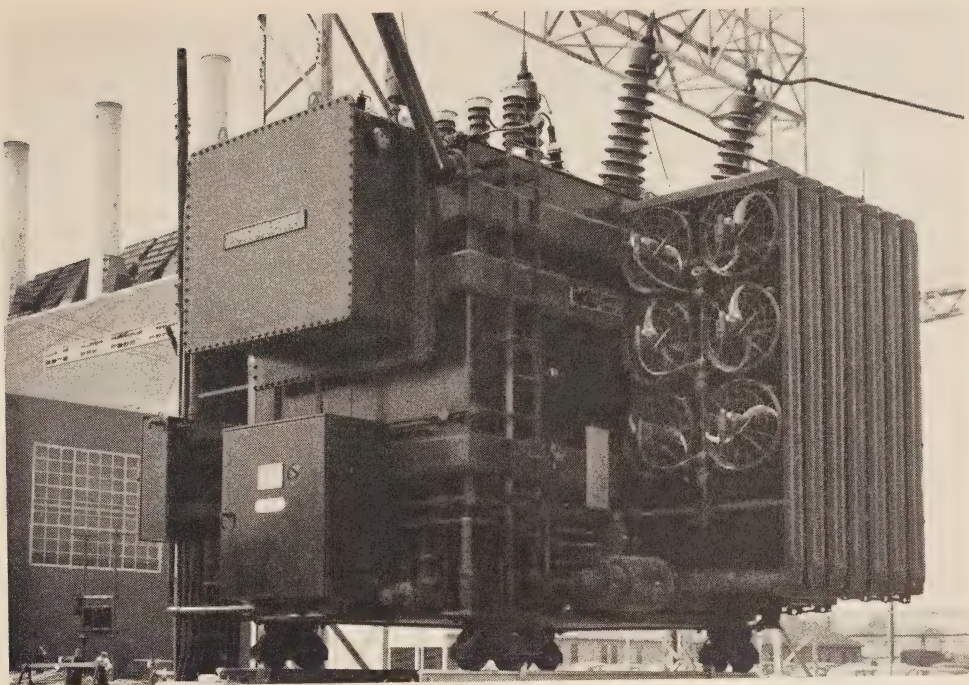
a total of 174,477,000 kilowatt-hours was obtained through interconnecting facilities completed in September between the Commission's system and the system of The Detroit Edison Company.

SOUTHERN ONTARIO SYSTEM

Operation

Following the development of the water shortage in July there were reductions in the output of all the Commission's resources in the Ottawa River watershed, both Commission-owned stations and those of the Commission's





TRANSFORMER INSTALLATION AT J. CLARK KEITH GENERATING STATION,
WINDSOR

150,000-kva regulating transformer for the 115-kv interconnection with The Detroit Edison Company

Quebec suppliers. This aggravated the already complex problems of supply following upon changes in the 25- and 60-cycle loads brought about by frequency standardization. In July 1953 the 60-cycle primary peak demand exceeded the 25-cycle peak demand for the first time and a month later the 60-cycle energy demand was greater than the 25-cycle energy demand.

In December 1949, when virtually the whole Niagara Division was operating at the 25-cycle frequency, the 60-cycle demand on the system was only 18 per cent of the total system primary demand; in the succeeding three years it had grown to 24, 33, and 45 per cent. At the time of the primary peak demand in December 1953, 55 per cent of the system primary peak requirements were for 60-cycle power.

Reference has already been made to the contributions of the fuel-electric stations in Toronto and Windsor and of The Detroit Edison Company in meeting these increases in 60-cycle load and offsetting the effect of poor water conditions. The fact that additional energy was available from the fuel-electric resources of this neighbouring system at this critical juncture was a fortunate consequence of the progress of frequency standardization. The transmission of 60-cycle energy from The Detroit Edison Company was made possible through facilities developed in conjunction with the frequency standardization program.

The new 230-kv and 115-kv facilities required and the rearrangement of circuits undertaken for the supply of 60-cycle power are dealt with later in this section and in Sections IV and V of this Report.

In the Southern Ontario System the dependable peak capacity was increased by 7.7 per cent from 2,790,250 kilowatts in December 1952 to

3,004,250 kilowatts in December 1953. The eighth unit at Otto Holden Generating Station was placed in service in April 1953, and on the basis of performance tests conducted during the year, the dependable capacity of this station was increased to 210,000 kilowatts. In April also, a third unit was placed in service at J. Clark Keith Generating Station, and a fourth unit was added in October. At Richard L. Hearn Generating Station the fourth turbo-generator began producing power for commercial load in June.

On September 3, and thereafter except for brief periods, the systems of The Detroit Edison Company and The Hydro-Electric Power Commission of Ontario were operated in parallel following the establishment of the first of two interconnecting circuits. The interconnections increase the security of both systems through mutual assistance at times of emergency. They will also enable each system to take advantage of economies that may be effected through the exchange of any surplus energy that may from time to time become available.

Each of the interconnecting circuits, operated at 115 kilovolts, has associated with it a 150,000-kva voltage regulator.

In January the line connecting J. Clark Keith Generating Station with E. V. Buchanan Transformer Station near London was changed over from 115-kv operation to become part of the 230-kv network. This change made it possible to increase substantially the delivery of power to the system from both J. Clark Keith Generating Station and The Detroit Edison Company. About 50 miles from E. V. Buchanan Transformer Station is Detweiler Transformer Station near the city of Kitchener. This station was placed in service as part of the 230-kv network in July. From this station, power was provided over short 115-kv radial lines to transformer stations in the surrounding area. In the East Central and Eastern Regions more stable operating conditions and improved voltage were brought about by the placing in service of two new 115-kv lines, one connecting Ross L. Dobbin Transformer Station and Sidney Transformer Station, and the other connecting Stewartville Generating Station and Merivale Switching Station.

Water storage conditions throughout the system were generally below normal during the year. The spring freshet occurred earlier than usual and was shorter in duration. Satisfactory levels were established in most reservoirs, but subnormal precipitation and low run-off throughout the summer months rapidly depleted storages. These were well below normal by the end of the year.

Continuity of service was, in general, well maintained throughout the year. When severe or widespread disturbances did occur, during a heavy sleet storm in January and on four other occasions during the late winter and early spring months, the system was returned to normal operation in a relatively short time.

On March 2 a fire occurred at the Chats Falls Generating Station, resulting in the loss of the entire station output of 164,000 kilowatts and the loss to the 60-cycle system in particular of 45,000 kilovolt-amperes in frequency-changer capacity. System security was also seriously affected since all 230-kv transmission lines terminating at the station and subject to its control facilities were removed from service.



RADIO LINK BETWEEN TORONTO AND NIAGARA FALLS

Ultra high-frequency directional antennae on the roof of the Head Office building (left) and at Niagara Falls (right). Placed in service in February 1953, this two-way radio link spans 28 miles of Lake Ontario, an unusually long water crossing for this type of equipment. Channels both for voice communication and for telemetering and load control are provided.

Despite the severity of the damage, system security was re-established in transmission facilities the day after the fire; four generating units were back in service by March 7, two more by March 9, and a seventh by March 21. The frequency-changer was returned to service on October 6. It was decided that the most seriously damaged unit should be rebuilt to operate at 60 cycles and this work was proceeding at the end of the year with the expectation that the unit would be in service early in 1954. Rehabilitation of the station building was in large measure complete by the end of the year.

A tornado that swept across the southwestern part of the Province on May 21 did extensive damage to towers on the 115-kv line between London and Stratford. It also became necessary to remove from service the 230-kv circuits between E. V. Buchanan Transformer Station and Essa Transformer Station while debris was cleared from the lines. Service was, however, quickly restored by the Commission's operating and maintenance staff.

Load Trends

Production of power for primary and secondary use within the system reached 2,909,190 kilowatts, an increase of 4.0 per cent over the 1952 figure of 2,798,476 kilowatts. The corresponding energy production amounted to 17,082,362,909 kilowatt-hours in 1953, 5.1 per cent greater than the 16,248,710,072 kilowatt-hours produced a year ago.

Primary power requirements during the first six months of 1953 maintained a fairly constant 7 per cent rate of growth over 1952 requirements. During

the summer months this rate, reflecting a slackening in municipal load growth and a decline in industrial demands, fell to about 3 per cent. By the end of 1953 it had returned almost to the earlier level and December primary peak requirements of 2,939,980 kilowatts were 6.3 per cent greater than the corresponding 1952 requirements of 2,765,986 kilowatts. Primary energy requirements also set new records in 1953. Energy requirements for a single day rose to 54,405,910 kilowatt-hours and for the entire year to 16,445,249,809 kilowatt-hours, an increase of 6.4 per cent over the 15,462,130,372 kilowatt-hours required in 1952. Of the annual primary energy requirements, the estimated load cut amounted to only 2,248,100 kilowatt-hours despite the substantial reduction in deliveries of purchased power from Quebec and decreased output from the Commission's stations on the Ottawa River. The Ontario primary load carried was 16,083,830,209 kilowatt-hours, an increase of 6.7 per cent over the 1952 total of 15,070,807,272 kilowatt-hours.

At off-peak times and during periods of high stream-flows, 639,361,200 kilowatt-hours were produced for disposal in the secondary market.

NORTHERN ONTARIO PROPERTIES

NORTHEASTERN DIVISION

Operation

No new generating equipment was placed in service in the Division during 1953 but minor revisions in the calculated capacities of stations reduced the dependable peak capacity of resources from 301,900 kilowatts to 298,200 kilowatts. The distribution systems of the companies supplying Iron Bridge and Mattawa were purchased and incorporated into the system.

Stream-flows and storage conditions in 1953 were favourable only during the first six months. It was the water shortage during the remainder of the year that made necessary the transfer of most of the 116,188,000 kilowatt-hours received from the Southern Ontario System to meet primary requirements. This more than offset the transfer of 89,648,000 kilowatt-hours in the reverse direction during the earlier part of the year and resulted in a net transfer of 26,540,000 kilowatt-hours to the Northern Ontario Properties.

Load Trends

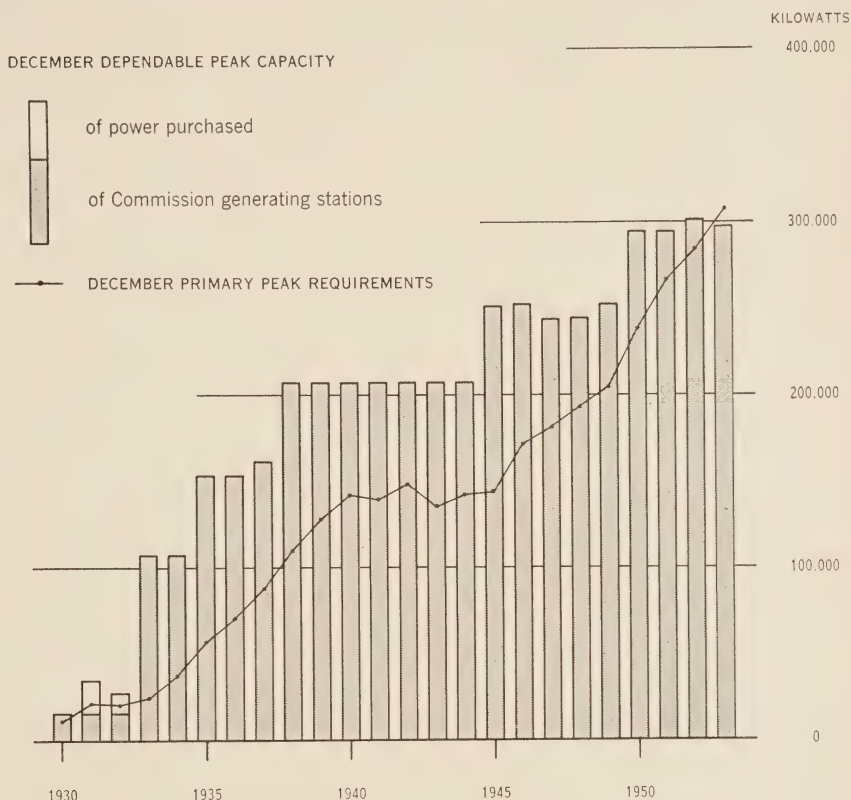
The maximum amount of power produced for primary and secondary use by the Division was 309,100 kilowatts, an increase of 6.3 per cent over the 1952 figure of 290,723 kilowatts. The corresponding energy production during the year increased to 2,017,186,605 kilowatt-hours, or 3.4 per cent more than the 1,950,491,350 kilowatt-hours in 1952.

Primary power requirements exceeded the 1952 requirements of 287,123 kilowatts by 7.5 per cent, reaching 308,590 kilowatts in November; primary energy requirements exceeded the 1952 requirements of 1,830,487,160 kilowatt-hours by 5.8 per cent and reached 1,936,647,345 kilowatt-hours. The decreases in loads which took place during the summer months following the development of strikes in the Timmins area are not evident in these totals. These decreases were largely offset by increased demands from certain industrial customers whose own generating resources were restricted by the prevailing water shortage.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

POWER DEMANDS AND RESOURCES

NORTHERN ONTARIO PROPERTIES — NORTHEASTERN DIVISION



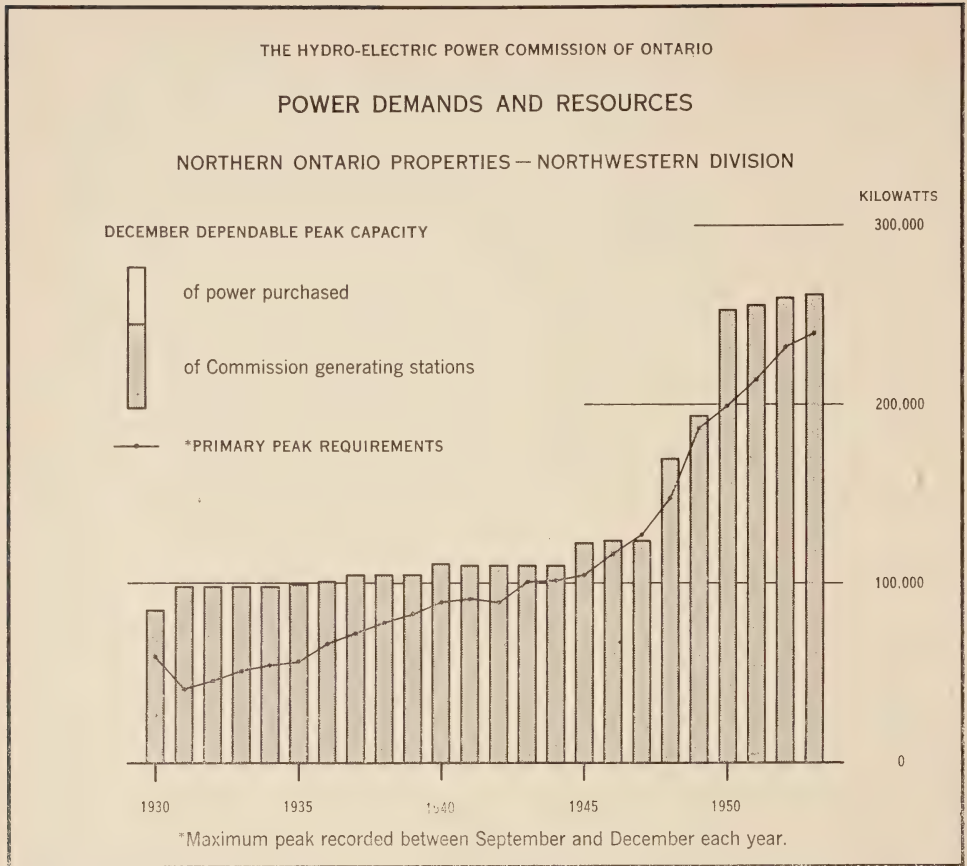
At times when production exceeded primary requirements, 80,539,260 kilowatt-hours of secondary energy were produced for use in the paper industry. During these periods it was also possible to transfer energy for advantageous disposal in the Southern Ontario System as previously noted.

NORTHWESTERN DIVISION

Operation

Although no new generating equipment was placed in service in the Northwestern Division, the peak capacity of the Division was increased from 261,200 kilowatts in December 1952 to 262,900 kilowatts in 1953 following revisions in the calculated capacities of five Commission-owned stations and an increase in the amount of purchased power.

Owing to the lack of spring rains, the freshet added virtually nothing to water reserves, which early in the year had been good. Heavy rains occurred during June and, by contrast with the Southern Ontario System and the Northeastern Division, good run-off continued through the summer and autumn months. Storage conditions at the end of the year were excellent.



Load Trends

The Northwestern Division produced a maximum of 262,356 kilowatts in 1953 for primary and secondary load purposes. This was an increase of 2.7 per cent over the 255,522 kilowatts produced in 1952. Energy production during the year increased 2.1 per cent from 1,775,226,580 kilowatt-hours in 1952 to 1,812,895,850 kilowatt-hours.

Primary power requirements in the Division in 1953 were 239,956 kilowatts, a 3.6 per cent increase over the 1952 requirements of 231,722 kilowatts. Primary energy requirements exceeded the 1952 figures of 1,491,041,854 kilowatt-hours by 5.4 per cent to reach a total of 1,571,667,810 kilowatt-hours.

A total of 241,228,040 kilowatt-hours of secondary energy was produced, principally for use by paper companies in the generation of steam.

MAINTENANCE OF THE SYSTEMS

The routine maintenance and inspection of hydraulic and electrical equipment proceeded on satisfactory schedules during the year. Some of the major maintenance operations which were beyond the routine in scope are noted in the following paragraphs.

Stations

Twelve turbines were completely overhauled, including two at Sir Adam Beck-Niagara Generating Station No. 1, two at "Ontario Power" Generating Station, one at "Toronto Power" Generating Station, and one at each of Cameron Falls and Alexander Generating Stations. Turbine runners at Chats Falls and Des Joachims were welded without the necessity of dismantling the equipment.

Four rotating machines with a combined capacity of 56,720 kva were rewound and nine other units were completely overhauled. The windings of these units were thoroughly cleaned with soft-grit abrasive as required and the insulation was subjected to the most up-to-date tests. A total of 128 transformers, each with a capacity of 100 kva or more, were completely overhauled and reconditioned prior to being relocated for further service.

Major items of electrical equipment affected by serious failure during the year included three generators and two power transformers.

Lines

The year saw the completion of the program for the rehabilitation and reinsulating of the 33-kv lines of the East Central and Eastern Regions for 44-kv operation. This program was begun in 1950. The change of distribution voltage in the Sudbury area from 22 kv to 44 kv was also completed.

The amount of work on line maintenance being done by live-line tools continues to increase, and this has in turn reduced the number of service interruptions.

In the routine maintenance and inspection of lines, the Commission's helicopters played an important part, having flown over 2,100 hours and



HELICOPTER PATROLLING 230-KV TRANSMISSION LINE

The use of helicopters has greatly facilitated the inspection of transmission lines, particularly in areas not easily accessible to ground crews. They have also provided valuable transportation service in emergencies.

logged over 86,000 miles in the patrol of high-voltage transmission lines. Line maintenance operations included the replacement of 3,340 transmission and 11,572 distribution poles and, in the Niagara, West Central, and Toronto Regions, the repainting of 507 transmission towers. The insulators on 327 route miles of high-voltage line were tested, and replaced as required.

FORESTRY

The introduction of new mechanical equipment such as the mobile "sky-worker" and pneumatic pruning tools resulted in improved efficiency and economy in pruning trees for the protection of the Commission's power and communication lines. The use of such equipment and of other mechanical and chemical devices has brought about marked increases in the amount of work accomplished.

Approximately 13,600 acres of underbrush along rights of way were sprayed with chemical herbicide, an area more than 5,000 acres larger than that so treated in 1952. In the reforestation program the number of seedlings planted was over 185,000, or almost half the total number planted in the course of the previous five years. This year's planting included 64,000 in the Niagara Region, over 3,000 in each of the Georgian Bay and East Central Regions, 49,500 in the Eastern Region, and 65,000 in the Northeastern Region.



WASHING INSULATORS ON 27.6-KV POWER LINE

Under certain weather conditions, electrical leakage across dirty insulators may generate sufficient heat to set a wood pole on fire. High-pressure spraying equipment is now being used to wash insulators in industrial areas. Insulators on lines operating at voltages up to 44 kv have been successfully cleaned.

Experiments suggest that the method may be used safely on lines of higher voltage.

SECTION II

FINANCIAL STATEMENTS.

Relating to

Properties Operated by The Hydro-Electric Power Commission of
Ontario on Behalf of the Co-operating Municipalities and
Rural Power District of the
Southern Ontario System

and to

Northern Ontario Properties Held and Operated
by the Commission in Trust for the Province of Ontario
and on Behalf of Municipalities Supplied with Power at Cost

THE financial statements of The Hydro-Electric Power Commission of Ontario, both in this section and in Appendix II, are presented with reference to each of the Southern Ontario System and the Northern Ontario Properties as set out in the following table.

Description	Southern Ontario System	Northern Ontario Properties
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Balance Sheet.....	22	24
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Schedules supporting the Balance Sheet:		
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Advances from the Province of Ontario.....	30	30
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—for Depreciation.....	296	326
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—for Stabilization of Rates.....	297	327
—for Rural Power District—Rates Suspense.....	298	
—for Sinking Fund.....	298	327
Statement of Cost of Power.....	300	328
Statement of Sinking Fund Payments by Municipalities.....	317	330

The first group of statements relates to activities in the Southern Ontario System on behalf of municipalities served under cost contract and to activities in that part of the Rural Power District associated with the system. The statements of the Northern Ontario Properties relate to the administration of properties serving municipalities under cost contract, and to the administration of other properties held and operated in trust for the Province of Ontario. The properties administered for the account of the Province serve municipalities other than those under cost contract, industrial customers, and that part of the Rural Power District associated with Northern Ontario Properties.

Financial Accounts of the Commission

The Foreword to this Report briefly sets forth the principle governing the operations of the Hydro undertaking in supplying electrical service at cost, and reference is made to the wholesale and retail aspects of the operation.

Only the balance sheets and operating statements of the two systems, and the two statements showing the Commission's funded debt and the advances from the Province of Ontario are included in this section. Supporting data regarding fixed assets and reserves are given in the appendix, first for the Southern Ontario System and then for the Northern Ontario Properties.

Financial Accounts of the Cost-Contract Municipal Electrical Utilities

In the application of the basic principle of supplying electrical service at cost the Commission bills the municipal utilities each month at interim rates. Increases in these interim rates for the supply of power to a number of cost-contract utilities of the Southern Ontario System were made effective on January 1, 1953. In the Northern Ontario Properties it was not necessary to raise interim rates generally to the municipal utilities under cost contract since rates provided sufficient margin to cover the moderate increases in cost.

At the end of the year, when the Commission's books are closed, the actual cost payable by each municipal utility for power taken is established and the necessary credit or debit adjustments are made. A statement of the cost of power for the Southern Ontario System is given on pages 300 to 315. This statement shows for each cost-contract municipal utility the components of the cost of power, and, in addition to the interim rate per kilowatt and the actual cost on a kilowatt basis, records the year-end adjustments made. A similar statement for the Northern Ontario Properties appears on pages 328 and 329. The adjustments made in 1953 resulted in a total net refund in the Southern Ontario System of \$954,620 and in the Northern Ontario Properties of \$22,182 as compared with refunds of \$1,800,944 and \$77,610 respectively in 1952.

One element in the cost of power to these municipal utilities is the annual provision for a sinking fund on a forty-year basis for the purpose of retiring the Commission's capital debt. The amount so provided, accrued with interest and standing to the credit of each municipal utility, is shown in a table for the Southern Ontario System on pages 317 to 320, and for the Northern Ontario Properties on page 330.

Auditing of Accounts

The accounts of the Commission are verified by auditors appointed by the Provincial Government. The accounts of each municipal electrical utility are

kept in accordance with a uniform system of accounting as prescribed by The Hydro-Electric Power Commission of Ontario. Pursuant to the requirements of The Public Utilities Act they are audited by the auditors of the municipal corporation.

FINANCIAL OPERATIONS—1953

Southern Ontario System

Sales of power and energy were greater in 1953 than in 1952. A combination of the increase in sales and the effect of the upward revision in rates brought about an increase in total gross revenue of 21.6 per cent, from \$96,679,998 to \$117,567,634. Costs were correspondingly higher, largely as the result of the greater use of fuel-electric generation and of higher labour costs. The total cost of providing service in 1953 was \$116,534,559 after withdrawing \$809,190 from the reserve for stabilization of rates, as compared with a cost of \$94,853,891 in 1952 after the withdrawal of \$2,061,885 from the same reserve.

In 1953 the assessment for frequency standardization was increased in determining the wholesale cost of power in the Niagara Division. The total amount charged to customers in the Division was \$10,773,992, which included \$8,476,372 as the cost of work written off and \$2,297,620 in interest.

Representations have been made to the Commission that there should be an equalization of the cost of power throughout the system. This matter in all its phases is under study. In the meantime, the Commission decided in 1953 to equalize the cost of bulk transmission, but to apply the necessary adjustments in three annual steps so that in 1955 all customers will pay the same rate per kilowatt for this element in the cost of power. The adjustments planned affected the cost of power in the Georgian Bay and Eastern Ontario Divisions to a greater extent than in the Niagara Division; it was, therefore, considered advisable to modify their effect by withdrawals from the reserve for the stabilization of rates held specifically for the benefit of municipalities in these two divisions and these withdrawals were credited in the cost of power.

In spite of these increases the cost of power and energy on a kilowatt basis in no municipality exceeded \$52.20. In thirteen municipalities where the cost would have exceeded this figure, it was reduced to \$52.20 by allocations totalling \$7,518 withdrawn from a reserve set up for the purpose.

The cost of rural operations rose from \$21,030,576 to \$26,328,268, including \$133,505 spent on frequency standardization of rural facilities. Since rural revenues also rose from \$21,055,739 to \$26,406,723, there was a net surplus in rural operations in the system of \$78,455 as compared with \$25,163 in 1952.

Northern Ontario Properties

The total cost of providing service in Northern Ontario Properties rose from \$17,649,116 in 1952 to \$19,537,825 in 1953 after withdrawals from reserves amounting to \$607,176 and \$414,989 respectively. The rise in revenue for 1953 was somewhat larger than the rise in cost owing partly to an increase in the number of primary kilowatt-hours sold, and partly to the application of higher rates. Gross revenues amounted to \$19,380,466 in 1953 as compared with \$17,267,245 in 1952.

In the account for the Province a deficit on rural operations of \$410,857 was in part offset by a surplus of \$231,316 resulting from sales of power to other customers. This surplus was realized after costs of supplying certain customers in the former Thunder Bay System had been reduced by the withdrawal of \$414,989 from the reserve for contingencies and obsolescence transferred to the account of the Province on January 1, 1952, when the Province assumed responsibility for these contracts from the Thunder Bay System. The amount withdrawn was \$134,852 less than in 1952, a reduction made possible by increased revenues resulting from revisions in certain industrial contracts which, as they matured, were brought more closely into line with actual costs.

SUMMARY OF FINANCIAL POSITION—ALL SYSTEMS

Capital Investment

Capital expenditure during 1953 amounted to \$183,634,698, of which approximately 64 per cent was spent on generating facilities. Construction at Sir Adam Beck-Niagara Generating Station No. 2 and at the large fuel-electric generating stations accounts for a large part of this expenditure. The gross investment in fixed assets amounted to \$1,354,642,243 at the end of 1953, against which there was an accumulated reserve for depreciation of \$151,285,056.

Rural assets under administration amounting to \$167,009,485 are included in this gross investment. Of the total investment in rural facilities, \$83,222,684 represent the amount provided since 1921 by the Province of Ontario for the purpose of aiding rural construction. The amounts so provided in each system were formerly shown on the Commission's balance sheets as a deduction from rural assets, but for 1953 they have been shown as a component of system capital. The amount provided by the Province in the form of rural assistance during 1953 was \$11,381,545.

Frequency Standardization

At December 31, 1953 a total of \$93,772,998 spent on frequency standardization had been charged to reserves and the wholesale cost of power. This total includes the \$8,476,372 written off this year. A further expenditure of \$30,589,167 on frequency standardization work during the year was carried in the frequency standardization account, which showed, at December 31, a balance of \$45,296,752 to be written off in future years. Inventories of equipment and supplies to be used in future standardization work showed a net increase of \$312,226 and stood at \$25,277,164 at the end of the year. The standardization of rural distribution facilities had required the further expenditure of \$650,537 since the beginning of the program, and all of this amount had been recovered from rural revenues.

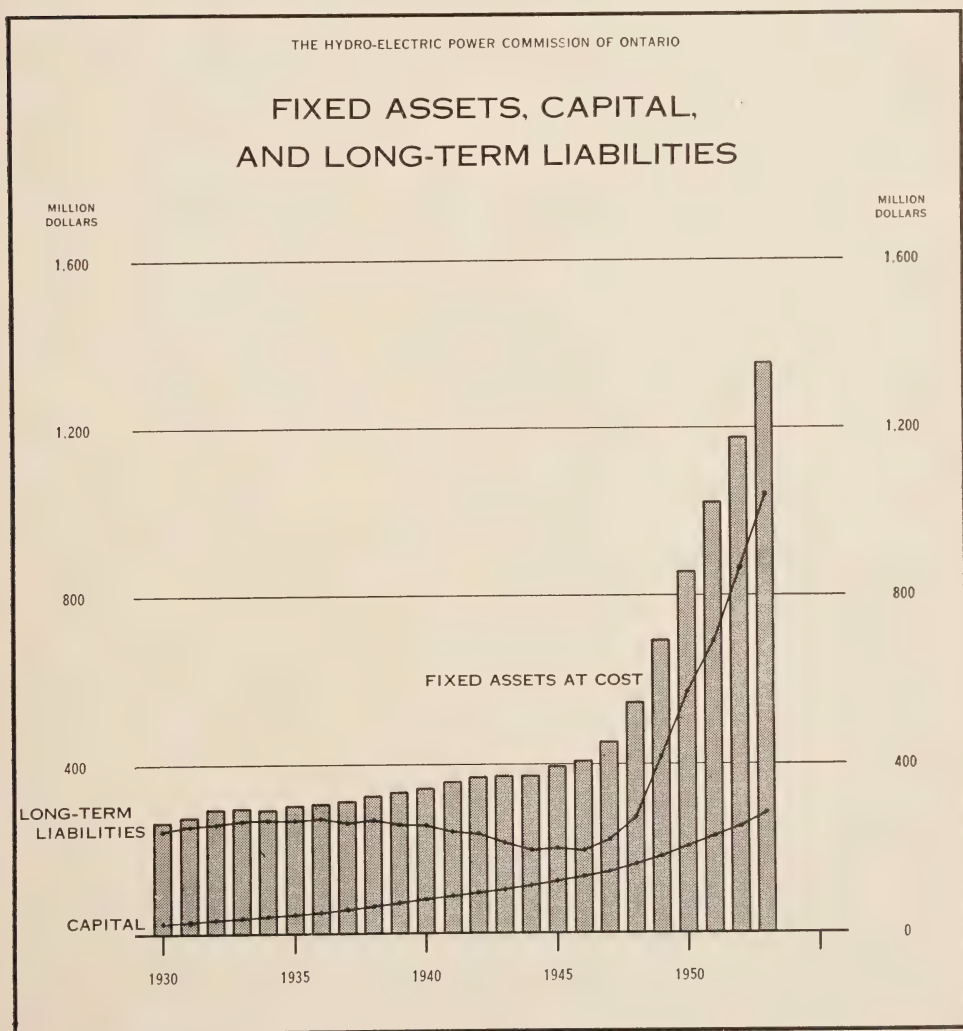
Total Assets

At December 31, 1953, the assets of the Commission after deducting depreciation reserves amounted to \$1,491,302,267.

Debt Position

The payment of both principal and interest on all bonds issued by the Commission and held by the public is guaranteed by the Province. Bonds totalling \$200 million were issued during the year. The long-term debt outstanding at the end of the year amounted to \$1,040,484,559, an increase of \$178,193,441 over 1952.

Sinking fund reserves at the end of the year stood at \$199,064,931, of which all but \$5,318,320 held for the most part in investment securities had been used for debt retirement.



THE HYDRO-ELECTRIC POWER

SOUTHERN

BALANCE SHEET

ASSETS

FIXED ASSETS AT COST:

Power system.....	\$ 977,662,783	
Administrative and service buildings and equipment.....	21,030,177	
Rural Power District.....	142,284,928	
	<hr/>	
	\$1,140,977,888	
Less accumulated depreciation.....	126,745,463	
	<hr/>	\$1,014,232,425

FREQUENCY STANDARDIZATION:

Equipment, supplies, and other assets for future standardization work.....	\$ 25,277,164	
Cost of completed standardization after charging \$93,772,998 to Reserves and Cost of Power—balance to be written off in future years.....	45,296,752	
	<hr/>	70,573,916

CURRENT ASSETS:

Cash in banks.....	\$ 16,611,657	
Working funds.....	189,171	
Power accounts receivable.....	14,424,837	
Other accounts receivable.....	6,858,200	
Rural Power District grants receivable.....	2,918,925	
Interest accrued on reserve fund investments.....	865,356	
Customers' securities on deposit.....	294,450	
Prepayments and sundry deposits.....	192,172	
Northern Ontario Properties—current account.....	567,957	
	<hr/>	42,922,725

INVENTORIES HELD FOR CONSTRUCTION AND MAINTENANCE:

Materials and supplies at cost.....	\$ 27,297,333	
Tools and equipment at cost less depreciation.....	7,555,156	
	<hr/>	34,852,489

DEFERRED CHARGES AND OTHER ASSETS:

Debenture discount and expense less amounts written off....	\$ 14,875,947	
Agreements, mortgages, and sundry investments.....	760,302	
Work in progress—deferred work orders.....	5,993,922	
	<hr/>	21,630,171

RESERVE FUND INVESTMENTS:

Investments in government and government-guaranteed bonds at amortized cost (approximate market value \$96,464,282)		
Held for: Pension fund.....	\$ 43,917,963	
Employer's liability insurance fund.....	4,250,086	
Contingencies and obsolescence, and stabilization of rates reserves.....	51,320,676	
	<hr/>	99,488,730
		<hr/>
		\$1,283,700,456

Auditors' Report

We have examined the balance sheet of the Southern Ontario System of The Hydro-Electric Power Commission of Ontario, as at December 31, 1953, and the statement of operations for the year ended on that date and have obtained all the information and explanations we have required. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statement of operations are properly drawn up so as to exhibit a true and correct view of the state of the affairs of the Southern Ontario System of the Commission as at December 31,

COMMISSION OF ONTARIO

ONTARIO SYSTEM

AS AT DECEMBER 31, 1953

LIABILITIES, RESERVES, AND CAPITAL

LONG-TERM LIABILITIES (at par of exchange)
including \$26,558,949 maturing in 1954:

Funded debt.....	\$986,719,000
Less—issued to finance Northern Ontario Properties, a separate trust operated by the Commission.....	128,965,000

\$857,754,000

Advances from the Province of Ontario....	\$53,765,559
Less advances for Northern Ontario Properties.....	9,327,832

44,437,727

\$902,191,727

CURRENT LIABILITIES:

Accounts and payrolls payable.....	\$ 20,756,343
Customers' deposits.....	982,746
Interest accrued on long-term liabilities.....	8,313,481
Miscellaneous accruals.....	1,580,994

31,633,564

SPECIAL RESERVES:

Pension fund.....	\$ 44,028,197
Savings and insurance fund.....	144,004
Employer's liability insurance fund.....	4,182,095
Exchange premium received on funded debt (net).....	2,884,917

51,239,213

GENERAL RESERVES:

Contingencies and obsolescence.....	\$ 40,560,645
Stabilization of rates.....	24,090,118
Rural Power District—rates suspense.....	2,801,582
Miscellaneous.....	1,229,993

68,682,338

CAPITAL:

Sinking fund reserve:	
Represented by funded debt and provincial advances retired through sinking funds.....	\$159,063,879

Contributed capital:	
Province of Ontario, assistance for rural construction..	70,889,735

229,953,614

\$1,283,700,456

NOTE: Commitments under uncompleted contracts for the construction of fixed assets, approximately \$40,000,000.

1953 (subject to the trusts which prevail in respect thereto) and the results of the operations for the year ended on that date, according to the best of our information and the explanations given to us and as shown by the books of the Commission.

Toronto, Canada,
June 4, 1954.

CLARKSON, GORDON & CO.
Chartered Accountants.

NORTHERN

Held and Operated by The Hydro-Electric Power Commission of Ontario in

BALANCE SHEET

ASSETS AND DEFICIT

FIXED ASSETS AT COST:

Power system.....	\$187,763,302	
Administrative and service buildings and equipment.....	1,176,496	
Rural Power District.....	24,724,557	
	<hr/>	
	\$213,664,355	
Less accumulated depreciation.....	24,539,593	
	<hr/>	\$189,124,762

CURRENT ASSETS:

Working funds.....	\$ 27,635	
Power accounts receivable.....	2,329,151	
Other accounts receivable.....	350,408	
Interest accrued on reserve fund investments.....	31,968	
Customers' securities on deposit.....	1,329,837	
Prepayments.....	6,797	
	<hr/>	4,075,796

INVENTORIES HELD FOR MAINTENANCE:

Materials and supplies at cost.....	\$ 1,316,832	
Tools and equipment at cost less depreciation.....	440,749	
	<hr/>	1,757,581

DEFERRED CHARGES AND OTHER ASSETS:

Debenture discount and expense less amounts written off....	\$ 1,663,559	
Account receivable in annual instalments 1954-1989.....	2,002,280	
Work in progress—deferred work orders.....	937,079	
	<hr/>	4,602,918

RESERVE FUND INVESTMENTS:

Government and government-guaranteed bonds at amortized cost (approximate market value \$5,312,872) held for sinking fund reserve.....		5,314,569
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DEFICIT—Account of the Province of Ontario.....		3,294,142
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\$208,169,768

Auditors' Report

We have examined the balance sheet of the Northern Ontario Properties, held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario and municipalities supplied with power at cost, as at December 31, 1953, and the statements of operations and deficit for the year ended on that date and have obtained all the information and explanations we have required. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statements of operations and deficit are properly drawn up

ONTARIO PROPERTIES

trust for the Province of Ontario and Municipalities Supplied with Power at Cost

AS AT DECEMBER 31, 1953

LIABILITIES, RESERVES, AND CAPITAL

LONG-TERM LIABILITIES (at par of exchange)

including \$290,427 maturing in 1954:

Funded debt.....	\$128,965,000	
Advances from the Province of Ontario.....	9,327,832	
		\$138,292,832
Representing the portion of the funded debt and advances from the Province of Ontario owing by The Hydro-Electric Power Commission of Ontario, issued to finance Northern Ontario Properties.		

CURRENT LIABILITIES:

The Hydro-Electric Power Commission of Ontario—current account.....	\$ 567,957	
Customers' deposits.....	2,728,974	
Interest accrued on long-term liabilities.....	1,166,748	
Miscellaneous accruals.....	599,220	
		5,062,899

SPECIAL RESERVE:

Exchange premium received on funded debt (net).....	83,107
---	--------

GENERAL RESERVES:

Contingencies and obsolescence, for the benefit of:		
Province of Ontario.....	\$ 520,186	
Municipalities supplied with power at cost.....	1,398,435	
Northern Ontario Properties.....	9,135,805	
		\$ 11,054,426
Stabilization of rates, for the benefit of:		
Province of Ontario.....	\$ 778,828	
Municipalities supplied with power at cost.....	563,675	
		1,342,503
		12,396,929

CAPITAL:

Sinking fund reserve:		
Province of Ontario.....	\$30,923,984	
Municipalities supplied with power at cost.....	9,077,068	
		\$ 40,001,052
Represented by—		
Funded debt and provincial advances retired through sinking funds.....	\$34,682,732	
Sinking fund investments and cash.....	5,318,320	
		\$40,001,052
Contributed capital: Province of Ontario, assistance for rural construction.....		
	\$ 12,332,949	
		52,334,001
		<u>\$208,169,768</u>

so as to exhibit a true and correct view of the state of the affairs of the Northern Ontario Properties as at December 31, 1953 (subject to the trusts which prevail in respect thereto) and the results of the operations for the year ended on that date, according to the best of our information and the explanations given to us and as shown by the books of the Commission.

Toronto, Canada,
June 4, 1954.

CLARKSON, GORDON & CO.
Chartered Accountants.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

STATEMENT OF OPERATIONS
for the Year Ended December 31, 1953

	Power system	Rural Power District	Total
	\$	\$	\$
COST OF POWER:			
Cost of power purchased	13,508,996	.....	13,508,996
Interchange of power with Northern Ontario Properties	154,734	.....	154,734
Operation, maintenance and administrative expenses	32,443,336	7,157,234	39,600,570
Interest (including interest on funded debt and reserves, less interest earned on investments)	28,040,598	2,567,044	30,607,642
Frequency standardization:			
Interest	2,297,620	.....	2,297,620
Portion of cost written off	8,476,372	.....	8,476,372
Provision for depreciation	7,966,970	1,320,350	9,287,320
Provision for contingencies	2,537,828	2,820,350	5,358,177
Provision for sinking fund	7,660,571	701,214	8,361,786
	102,777,557	14,566,192	117,343,749
Withdrawal from stabilization of rates reserve	809,190	.....	809,190
	101,968,367	14,566,192	116,534,559
Cost of power supplied to Rural Power District	11,762,076	11,762,076	.....
Total (after withdrawal of \$809,190 from stabilization of rates reserve)	90,206,291	26,328,268	116,534,559
AMOUNTS BILLED TO MUNICIPALITIES AND OTHER CUSTOMERS:			
Municipalities at interim rates	67,690,079	.....	67,690,079
Rural Power District .....	.....	26,406,723	26,406,723
Companies	22,887,847	.....	22,887,847
Local distribution systems	582,985	.....	582,985
Total	91,160,911	26,406,723	117,567,634
Excess of amounts billed over cost of power (after withdrawal of \$809,190 from stabilization of rates reserve)	954,620	78,455	1,033,075
Credited to municipalities on annual adjustments	954,620	.....	.....
Credited to Rural Power District rates suspense .....	.....	78,455	.....

NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario in trust for
the Province of Ontario and Municipalities Supplied with Power at Cost

STATEMENT OF OPERATIONS
for the Year Ended December 31, 1953

	Province of Ontario			Municipalities supplied with power at cost	Total
	Rural Power District	Other customers	Total		
COST OF POWER:	\$	\$	\$	\$	\$
Cost of power purchased.....		131,660	131,660		131,660
Interchange of power with Southern Ontario System.....		154,734	154,734		154,734
Operation, maintenance and ad- ministrative expenses.....	853,917	7,577,458	8,431,375		8,431,375
Interest (including interest on funded debt and reserves, less interest earned on investments).....	385,758	6,166,392	6,552,150		6,552,150
Provision for depreciation.....	218,694	1,794,684	2,013,378		2,013,378
Provision for contingencies.....	218,693	486,920	705,614		705,614
Provision for sinking fund.....	115,417	1,848,487	1,963,903		1,963,903
	1,792,479	18,160,335	19,952,814		19,952,814
Cost of power to municipalities supplied at cost.....		1,877,758	1,877,758	1,877,758	
Cost of power supplied to Rural Power District.....	988,920	988,920			
	2,781,399	15,293,657	18,075,056	1,877,758	19,952,814
Withdrawal from reserve for con- tingencies and obsolescence.....		414,989	414,989		414,989
Total after deducting withdrawals from reserves.....	2,781,399	14,878,668	17,660,067	1,877,758	19,537,825
AMOUNTS BILLED:					
Municipalities supplied with power at cost (at interim rates).....				1,899,940	1,899,940
Rural Power District.....	2,370,542		2,370,542		2,370,542
Other customers.....		15,109,984	15,109,984		15,109,984
Total.....	2,370,542	15,109,984	17,480,526	1,899,940	19,380,466
Excess or deficiency of amounts billed over cost of power after deduct- ing withdrawals from reserves ..	410,857	231,316	179,541	22,182	157,359
Interest on borrowings to finance deficit account.....			132,025		132,025
Balance.....					289,384
Transferred to deficit account			311,566		
Credited to municipalities on annual adjustment.....				22,182	

Statement of Deficit—Account of the Province of Ontario
For the Year Ended December 31, 1953

Balance at debit January 1, 1953.....	\$2,982,576
Add:	
Balance transferred from operating account for year ended December 31, 1953..	311,566
Balance at debit December 31, 1953.....	<u>\$3,294,142</u>

THE HYDRO-ELECTRIC POWER

FUNDED DEBT AS AT

Guaranteed as to principal and interest

Date of maturity	Callable at par on or after	Date of issue	Interest rate
			per cent
Mar. 31, 1954-1957	(a)	Mar. 31, 1952	3
July 15, 1954		July 15, 1949	2½
Nov. 1, 1954		May 1, 1950	2½
Apr. 1, 1956		Apr. 1, 1947	2
Aug. 1, 1957		Aug. 1, 1917	4
June 1, 1958		June 1, 1918	4
Dec. 1, 1958		Dec. 1, 1918	4
Jan. 1, 1960	Jan. 1, 1955	Jan. 1, 1945	3
Mar. 1, 1963	Mar. 1, 1961	Mar. 1, 1948	3
July 2, 1964	July 2, 1960	July 2, 1948	3
Dec. 15, 1965	Dec. 15, 1963	Dec. 15, 1948	3
May 1, 1966	May 1, 1964	May 1, 1951	3½
Jan. 15, 1967	Jan. 15, 1965	Jan. 15, 1952	4
Mar. 15, 1967	Mar. 15, 1964	Mar. 15, 1953	4¼
Apr. 1, 1967	Apr. 1, 1964	Apr. 1, 1947	2¾
Apr. 1, 1967	Apr. 1, 1965	Apr. 1, 1949	3
Nov. 1, 1967	Nov. 1, 1964	Nov. 1, 1952	4¼
Nov. 1, 1967	Nov. 1, 1964	Nov. 1, 1952	4¼
Jan. 15, 1968	Jan. 15, 1966	July 15, 1949	3
Apr. 15, 1968	Apr. 15, 1966	Apr. 15, 1952	4
Oct. 1, 1968	Oct. 1, 1965	Oct. 1, 1947	2¾
July 15, 1969	July 15, 1966	July 15, 1953	4¼
July 15, 1969	July 15, 1966	July 15, 1953	4¼
Nov. 1, 1969	Nov. 1, 1967	Nov. 1, 1949	3
Jan. 1, 1970		Jan. 1, 1930	4¾
Apr. 1, 1970	Apr. 1, 1968	Apr. 1, 1950	3
May 15, 1971	May 15, 1956(a)	May 15, 1951	3¼
June 1, 1971	June 1, 1961	June 1, 1946	2¾
Sept. 1, 1972	Sept. 1, 1956(a)	Sept. 1, 1951	3¼
June 15, 1973	June 15, 1971	June 15, 1950	3
Feb. 1, 1975	Feb. 1, 1958	Feb. 1, 1953	3¼
Nov. 1, 1978	Nov. 1, 1958(f)	Nov. 1, 1953	3⅝
Total Funded Debt (at par of exchange)			

Summary of changes in funded debt

Outstanding at December 31, 1952.....
Less redemptions during year.....

Add new bond issues during year.....

Outstanding at December 31, 1953.....

Payable in the

Canadian.....
United States.....
Canadian, United States, or Sterling.....

(a) Callable at 101.

(b) Payable in U.S. funds.

(c) Payable in Can., U.S., or Sterling funds.

(d) Held by Province of Ontario and having terms identical with issues sold in the United States, by the Province of Ontario, on behalf of the Commission.

(e) \$5 million annually 1954-1957.

(f) Callable at 102½.

COMMISSION OF ONTARIO

DECEMBER 31, 1953

by the Province of Ontario (except issues marked *)

Principal outstanding December 31, 1953		
Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
20,000,000	.....	20,000,000(e)
5,000,000	.....	5,000,000
15,000,000	.....	15,000,000*
5,106,545	4,893,455	10,000,000
8,000,000(c)	.....	8,000,000(c)
200,000	.....	200,000
100,000	.....	100,000
.....	7,500,000	7,500,000
25,490,000	8,910,000	34,400,000
26,280,000	13,620,000	39,900,000
45,000,000	.....	45,000,000
24,000,000	6,000,000	30,000,000
48,000,000	2,000,000	50,000,000
40,000,000	.....	40,000,000
10,703,455	4,119,545	14,823,000
11,600,000	32,775,000	44,375,000
35,000,000	.....	35,000,000
22,000,000	3,000,000	25,000,000
37,000,000	6,775,000	43,775,000
50,000,000	.....	50,000,000
13,500,000	5,916,000	19,416,000
35,000,000	.....	35,000,000
25,000,000	.....	25,000,000
38,000,000	11,650,000	49,650,000
11,864,000	.....	11,864,000
48,500,000	5,966,000	54,466,000
47,000,000(b)	3,000,000(b)	50,000,000*(b) (d)
14,910,000	4,940,000	19,850,000
48,500,000(b)	.....	48,500,000*(b) (d)
52,000,000	2,900,000	54,900,000
50,000,000(b)	.....	50,000,000*(b) (d)
45,000,000(b)	5,000,000(b)	50,000,000*(b) (d)
857,754,000	128,965,000	986,719,000

during year ended December 31, 1953

\$682,754,000	\$123,965,000	\$806,719,000
20,000,000	.....	20,000,000
\$662,754,000	\$123,965,000	\$786,719,000
195,000,000	5,000,000	200,000,000
\$857,754,000	\$128,965,000	\$986,719,000

following currencies:

\$659,254,000	\$120,965,000	\$780,219,000
190,500,000	8,000,000	198,500,000
8,000,000	.....	8,000,000
\$857,754,000	\$128,965,000	\$986,719,000

THE HYDRO-ELECTRIC POWER

ADVANCES FROM THE PROVINCE OF

Repayable to the Province in accordance with the terms of Province

Date of maturity	Description	Interest rate
		per cent
December 1, 1954-1955	Serial bonds	4½
January 15, 1954-1957	Serial bonds	4½
November 1, 1954-1957	Serial bonds	4½
May 15, 1954-1968	Annuity bonds	4
May 15, 1954-1970	Annuity bonds	4½
January 15, 1954-1971	Annuity bonds	4½
June 1, 1954-1971	Annuity bonds	4
May 1, 1959	Bonds	5
December 2, 1960	Bonds	5
Total Advances (at par of exchange)		

Summary of changes in advances from Province

Balance of advances at December 31, 1952
Less repayments during year
Balance of advances at December 31, 1953

COMMISSION OF ONTARIO

ONTARIO AS AT DECEMBER 31, 1953

of Ontario bonds issued in part for the purposes of the Commission

Balance of advances outstanding December 31, 1953
(Payable in Canadian, United States, or Sterling Funds)

Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
309,529	71,883	381,412
760,918	182,741	943,659
1,340,925	159,331	1,500,256
6,858,503	463,216	7,321,719
5,614,168	1,360,581	6,974,749
3,031,031	744,548	3,775,579
3,882,386	1,432,773	5,315,159
11,129,972	2,328,952	13,458,924
11,510,295	2,583,807	14,094,102
<u>44,437,727</u>	<u>9,327,832</u>	<u>53,765,559</u>

of Ontario during year ended December 31, 1953

\$45,960,824	\$9,611,294	\$55,572,118
1,523,097	283,462	1,806,559
<u>\$44,437,727</u>	<u>\$9,327,832</u>	<u>\$53,765,559</u>

SECTION III

THE COMMISSION'S CUSTOMERS

IN serving its customers throughout the Province, the Commission delivered primary electric energy in wholesale quantities to distribution systems serving 370 municipalities, to certain large industrial customers, and to distribution systems serving the Rural Power District. The table on page 273 summarizes the quantities of energy delivered to these three categories of customers during 1953. Of the total of 17,865,114,207 primary kilowatt-hours supplied, 55 per cent was received by the municipalities, 37 per cent by the large industrial customers, and 8 per cent by the Rural Power District.

Details of the retail operations of the municipal electrical utilities are given in Section VIII, where Statements "A" and "B" respectively include the balance sheets and operating reports of each utility. Statements "C" and "D", also in Section VIII, give rates and statistics applicable to service in both municipal electrical utilities and local systems. Retail activity in the Rural Power District is discussed in detail later in this section and also in Appendix III where supplementary tables of rates and statistics appear.

The 370 municipalities referred to in the first paragraph may be classified in three groups as follows:—

Group	Classification	Number
1	Municipalities owning their distribution systems and served by municipal electrical utilities supplied under	
	(a) cost contracts with the Commission	320
	(b) fixed-rate contracts with the Commission	12
2	Other municipalities served by municipal electrical utilities in municipalities of group 1	5
3	Municipalities served by distribution systems owned and operated by the Commission and referred to in this Report as local systems	33
	Total	370

Three municipalities were added to group 1 during 1953, two of them having been formerly served as local systems, and two municipalities were added to group 3.

In addition to these 370 municipalities, the Commission during 1953 served 909 communities through the Rural Power District. The total of 1,279 communities included 27 cities, 127 towns, 11 mining townsites, 9 improvement districts, 152 villages, and 173 police villages. The remaining 780 were townships, organized and unorganized.

MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

A total of 9,826,407,112 kilowatt-hours was delivered to municipal electrical utilities and local systems in 1953, an increase of nearly 10 per cent over the total delivered in 1952. The maximum monthly sum of their peak loads in December 1953 was 2,082,443 kilowatts, and exceeded the similar maximum in 1952 by 10 per cent. The peak loads of the individual municipalities are given in the table beginning on page 276. Each peak load represents the maximum average demand of the municipalities during any twenty consecutive minutes in the month, and is obtained by reading coincident values at all points of delivery.

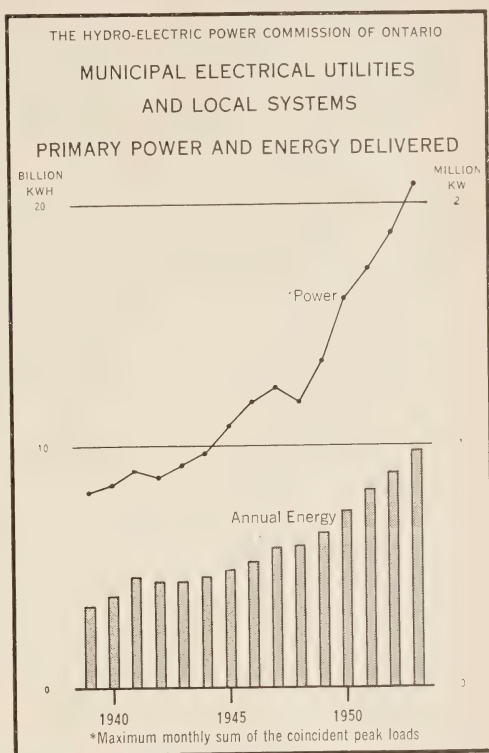
The extensions of the Commission's facilities to supply municipal utilities are discussed in the Operations and the Engineering and Construction Sections of the Report. Two municipalities, Vankleek Hill and L'Orignal, formerly served

through local systems, received service under cost contracts from June 1 and July 1 respectively. Kapuskasing, which had formerly been served by a private company, began to receive service under a fixed-rate contract on July 30. The village of Mattawa, also previously served by a private company, and Wasaga Beach, formerly served as part of the Rural Power District, were added to group 3, local systems, on January 1, 1953.

The municipal utilities themselves undertook changes and additions to their distribution systems, and upon some of these projects the Commission gave advice and engineering assistance. The Commission gave approval during 1953 for the expenditure by the municipal utilities of \$15,300,000 on such capital projects. In several municipalities, measures have been taken by the municipal utilities to provide for the supply of growth load at 60 cycles in the former 25-cycle area of the Southern Ontario System. Approval was given for capital expenditures in this connection amounting in total to nearly \$600,000.

DIRECT INDUSTRIAL CUSTOMERS

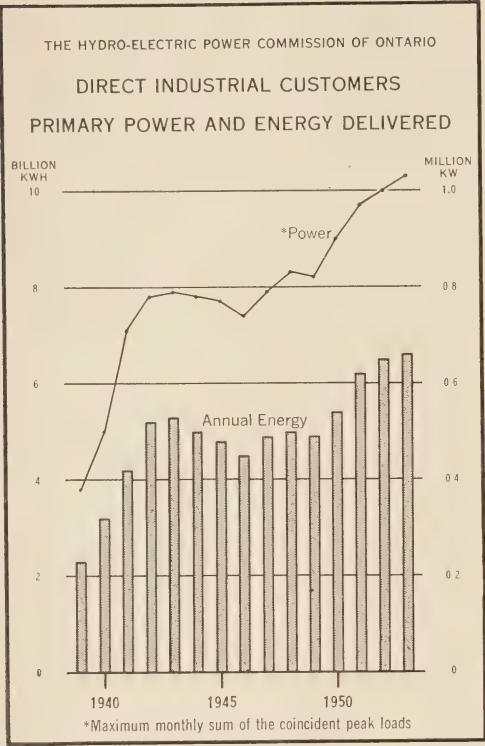
The Commission serves directly a number of industrial customers whose power requirements cannot be readily supplied through the facilities of a municipal utility or those of a rural operating area. Such customers normally provide for their own step-down transformation and buy power at transmission or sub-transmission voltages.



At December 31, 1953, there were 189 direct industrial customers in a variety of industries and services. Twelve new customers having a total normal operating load of 25,500 kilowatts were added. These included an automobile assembly plant, three new chemical plants, a factory

making electrical equipment, three base metal mines, and a salt mine. The initial delivery of power was also made to three pumping stations on an oil pipeline between Toronto and Montreal. During the year, the total number of customers was reduced by 12, most of them mining companies that had ceased operating. The normal loads of this group amounted in total to 7,740 kilowatts. As service conditions permitted, 11 other direct industrial customers of the Commission with a total load of 2,940 kilowatts were transferred to appropriate municipal utilities or rural operating areas.

The following summary groups these customers according to types of industry and shows for each group the average of the monthly primary peak loads and the kilowatt-hours of primary energy delivered during the year.



PRIMARY POWER AND ENERGY SUPPLIED TO DIRECT INDUSTRIAL CUSTOMERS DURING 1953, BY TYPES OF INDUSTRY

Type of industry	Average of the monthly peak loads	Annual energy delivered
	kw	kwh
Pulp and Paper.....	189,237	1,363,773,654
Mining:		
(a) Gold.....	83,772	566,385,817
(b) Silver and Cobalt.....	4,339	22,476,053
(c) Base Metals.....	125,752	891,571,185
(d) Non-Metals.....	2,906	16,766,512
Quarrying, Cement, and Basic Building Materials.....	24,530	159,291,906
Steel and Electro-Metallurgical.....	191,501	965,191,120
Abrasives.....	69,836	545,098,935
Chemical, Electro-Chemical, and Cyanamid.....	156,752	1,171,017,165
Grain Elevators and Milling.....	8,259	31,367,210
Transportation Services and Communications.....	2,362	12,170,462
Government Services and Institutions.....	16,630	77,233,907
General Manufacturing.....	67,473	333,137,442
Miscellaneous.....	64,727	452,704,763
Total.....	1,008,076	6,608,186,131

In sum the averages of the monthly peak loads approach very closely to the maximum monthly sum of the primary peak loads which was 1,032,473 kilowatts in the month of March. Industrial customers were supplied in 1953 with 6,608,186,131 kilowatt-hours of primary energy, an increase of 0.9 per cent over the 6,548,782,459 kilowatt-hours supplied in 1952.

Several customers increased their peak loads. Major increases were recorded by customers in nickel mining and in the manufacture of aircraft, chemicals, and cement. These increases were offset to a large extent by the reduced requirements of the electro-metallurgical and steel industries. The shut-down of three mines and a prolonged strike in one of the biggest mining areas were major factors in reducing the peak load of the gold mines, and contributed to a 10.9 per cent drop in the annual energy delivered to them.

During 1953, power agreements were signed with four companies that will take their first power in 1954 or 1955. Of these agreements, the most important involved the ultimate supply of 10,000 kilowatts to a new synthetic fibre plant in eastern Ontario, and 55,000 kilowatts to an iron ore development in the Steep Rock Lake area. Development power in large amounts will be required at this mine during the next two years, for use in the operation of hydraulic dredges removing the silt which covers the ore body. Actual extraction of ore is scheduled to commence in about 1960.

Reference is made in Section II of the Report to the increased revenues that followed revisions in contracts with certain industrial customers in the Northern Ontario Properties. Upon the expiration of a number of these industrial power contracts during 1953, the Commission renegotiated them at rates having a closer relationship to the cost of supply.



HISTORIC FARM NEAR BADEN STANDARDIZED AT 60 CYCLES

Frequency standardization was carried out during the year at Beckdale Farm, at one time the residence of Jacob Beck, and the birthplace of Sir Adam Beck, first Chairman of The Hydro-Electric Power Commission of Ontario.

RURAL ELECTRICAL SERVICE

At December 31, 1953, the Commission had completed ten years of rural electrical service under the uniform rate structure established on January 1, 1944. During this decade, the total mileage of rural primary distribution lines increased at a rate equal to about 8 per cent per annum, reaching a total of 41,589 miles at the end of 1953. The total number of rural customers served, after making allowance for the annexation by urban municipalities of certain suburban areas, increased during the same decade at an average annual rate of about 11 per cent to reach a total of 371,855 at December 31, 1953. The greatest annual growth in Hydro's rural electrical service has taken place during the second half of this decade.

Within the area served by the Southern Ontario System there were 36,610 miles of rural primary lines at December 31, 1953, and these represented 88 per cent of the Commission's total rural primary lines. Ninety per cent of the Commission's rural customers, or 335,349 in all classes of service, were supplied through the rural facilities of this System. Of these customers, about one in three was a farm service customer.



TYPICAL FARM SERVICE INSTALLATION

The transformer is near the top of the centrally-located pole and the meter and breaker box are near the base.

The rate of growth in the Southern Ontario System has been steady but not so spectacular as in the Northern Ontario Properties, where increases in total miles of rural primary line and total customers have been at an average annual rate of about 23 per cent over the past ten years. The rate was particularly high in 1948 and 1949 but declined somewhat in the following years. At the end of December 1953, the Commission was serving 36,506 rural customers in the



ELECTRICITY SERVES THE FARM

The high-pressure spray nozzles on this vegetable washer are operated by an electric pump. The vegetables, passing through the washer on a continuous mesh belt, are cooled and attractively prepared for market.

Northern Ontario Properties, about $7\frac{1}{2}$ times the number served by the Commission in northern Ontario in 1943. In 1953 one customer in every four was a farm service customer.

Extension of Rural Service During the Year

The net increase in mileage of primary distribution line during the year was 3.3 per cent, or 1,312 miles, while the net increase in number of customers was 8.2 per cent, or 28,318. The net increase in miles of line was smaller than in any of the past five years owing to the necessity of improving and rehabilitating facilities already in service. The net increase in number of customers was, however, greater than in any previous year except 1949 and 1950.

During 1953, more than 38 per cent of the net increase in rural line mileage was in northern Ontario. A large part of this extension was an outcome of the growth of certain urban and tourist areas, which is reflected in the rapid increase in the number of summer and hamlet service customers.

RURAL POWER DISTRICT

NET INCREASE IN MILEAGE OF PRIMARY LINES AND NUMBER OF CUSTOMERS DURING 1953

System and Region	Miles of primary line	Number of customers					
		Farm	Hamlet	Commercial	Summer	Power	Total
SOUTHERN ONTARIO							
Western	57.18	508	3,367	514	53	31	4,473
West Central	77.59	431	2,078	185	198	8	2,884
Niagara	20.56	82	1,880	211	16	16	2,173
Toronto	41.23	134	3,216	422	32	27	3,767
Georgian Bay	253.13	813	1,320	1,053	444	7	3,637
East Central	199.15	569	1,573	705	818	15	3,680
Eastern	160.04	681	1,458	408	344	9	2,900
Total	808.88	3,218	14,892	3,498	1,809	97	23,514
NORTHERN ONTARIO PROPERTIES							
Northeastern	374.32	616	2,209	625	437	20	3,907
Northwestern	128.59	237	333	183	142	2	897
Total	502.91	853	2,542	808	579	22	4,804
Total—All systems	1,311.79	4,071	17,434	4,306	2,388	119	28,318

Italic figures indicate net decrease.

Redistribution of Rural Operating Areas

The total number of rural operating areas in the Rural Power District was increased to 108 during the year. Merrickville Rural Operating Area was added in the Eastern Region, bringing the number of areas in the Southern Ontario System to 93. In the Northern Ontario Properties, the number of rural operating areas was increased from 14 to 15 following the extension of the territory served in the Northeastern Division. The territory formerly served by five rural operating areas was at the same time redistributed among six, which were renamed as Kapuskasing, Kirkland Lake, Matheson, New Liskeard, North Bay, and Warren Rural Operating Areas.

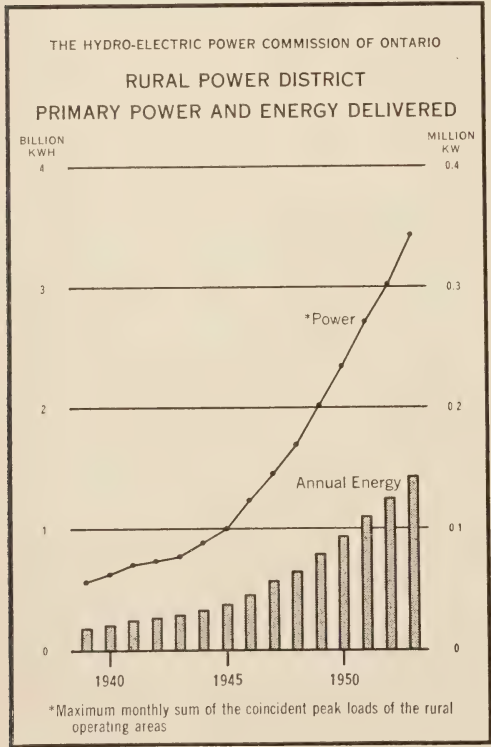
RURAL POWER DISTRICT

GROSS INVESTMENT IN FIXED ASSETS AS AT DECEMBER 31

System and Region	1952	1953	Net increase
	\$	\$	\$
SOUTHERN ONTARIO			
Western	24,808,335	28,467,062	3,658,727
West Central	21,411,178	24,151,819	2,740,641
Niagara	5,942,658	6,839,869	897,211
Toronto	8,211,624	9,728,281	1,516,657
Georgian Bay	26,486,941	29,491,111	3,004,170
East Central	19,833,123	22,769,801	2,936,678
Eastern	18,329,012	20,836,985	2,507,973
Total	125,022,871	142,284,928	17,262,057
NORTHERN ONTARIO PROPERTIES			
Northeastern	13,885,747	17,112,106	3,226,359
Northwestern	6,560,459	7,612,451	1,051,992
Total	20,446,206	24,724,557	4,278,351
Total—All systems	145,469,077	167,009,485	21,540,408
Provincial assistance	71,841,139	83,222,684	11,381,545

Capital Investment

The net increase in fixed assets representing rural distribution facilities amounted in 1953 to \$21,540,408. The Provincial Government's grant-in-aid for the same period, made in accordance with The Rural Hydro-Electric Distribution Act, was \$11,381,545. The net increase during the year brought the total capital investment in rural distribution facilities to \$167,009,485, of which \$83,222,684 had been provided by the Provincial Government as a grant in aid of construction of rural facilities.

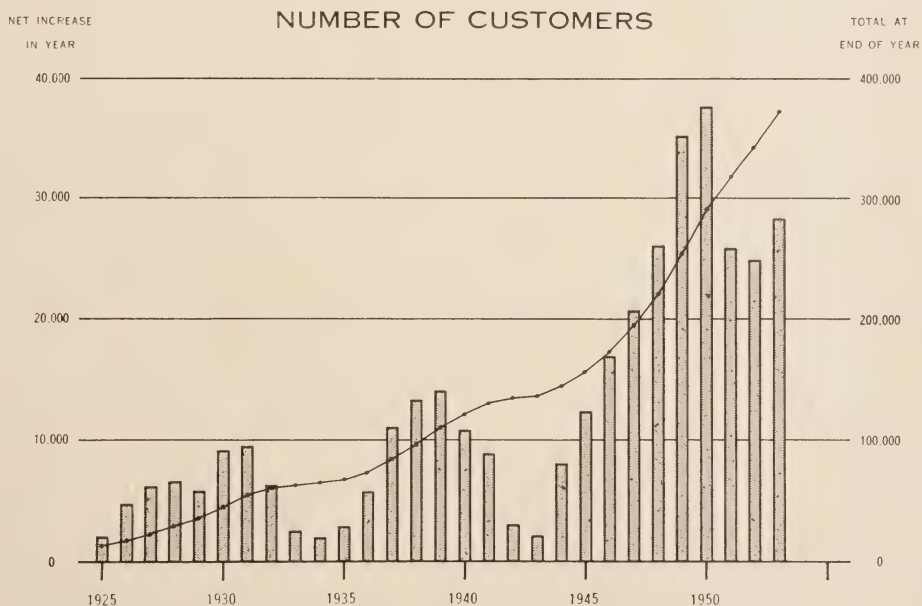
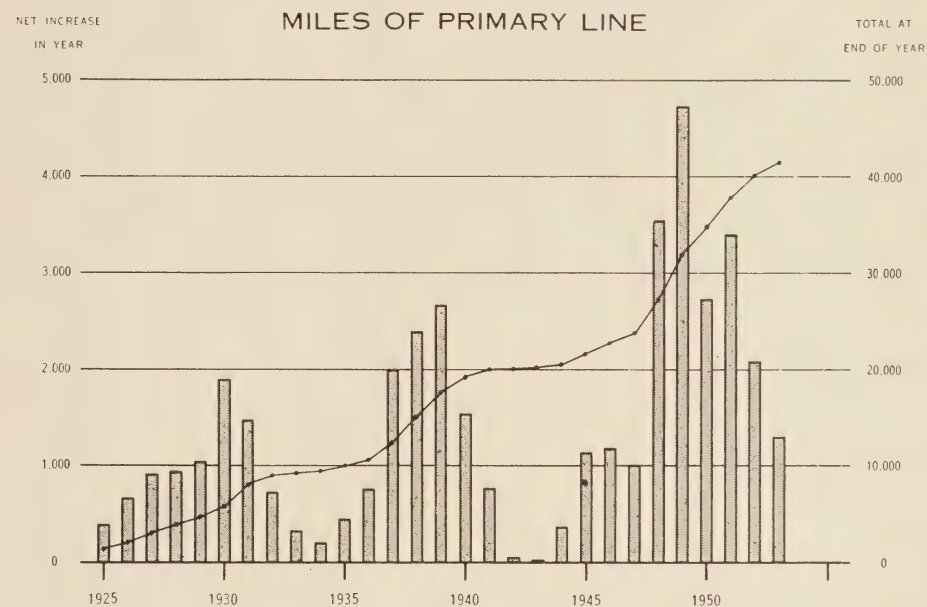


Load Growth

The table on page 273 shows the delivery in wholesale quantities of 1,430,520,964 kilowatt-hours to the 108 rural operating areas in the Province during the year, as compared with 1,255,790,163 kilowatt-hours in 1952. The monthly sum of the coincident peak loads of these areas at its maximum was 343,923 kilowatts, an increase of 14 per cent over the corresponding total of 302,261 kilowatts in 1952.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

RURAL POWER DISTRICT



Retail consumption in the Rural Power District, street lighting included, reached a total of 1,252,188,997 kilowatt-hours during the year, an increase of nearly 144 million kilowatt-hours over the total in 1952. This growth in consumption followed increases in the number of customers for all classes of service, and increases in total energy used by all classes except summer service. The comparison of totals for the various classes of customer should be made only with the knowledge that certain types of commercial and summer service customers were reclassified during 1953. For example, a large number of



ELECTRICITY SERVES THE FARM

Electrical spraying equipment being used to apply insecticide in a piggery

customers operating tourist establishments, formerly classified as summer service, were given commercial service rating. Owing in part to this reclassification, the average consumption per customer for commercial service showed a slight decline, and for summer service a marked decline. This decline in average consumption was in turn reflected in increases in average cost per kilowatt-hour, increases substantially greater for these two classes of service than for farm and hamlet service. The average

cost per kilowatt-hour for power service was approximately the same as in 1952, and in general, it may be said that, except for summer and industrial power service, average costs per kilowatt-hour for rural service in 1953 were approximately the same as in 1944.

Rates for Rural Electrical Service

Throughout the Commission's systems, a uniform rate schedule is in effect for each of four classes of rural service—farm, hamlet, commercial, and summer service. All customers within any one class, if they have the same rating and consume the same number of kilowatt-hours per month, receive a bill for the same amount regardless of where they are located. On January 1, 1953 these rates were increased in order to meet the continued rise in the cost of labour and materials as well as the higher cost of generation by fuel-electric resources. At that time, it was estimated that the average cost of electric power to rural customers, excluding power service and street lighting, would increase by about 15 per cent. The net effect of the increased rates, taking into consideration the more extensive use of energy in 1953, was to raise the average cost per kilowatt-hour by 11.9 per cent.

Each of the main classes of Hydro rural service is briefly described in Appendix III and the rates applicable to each are given. Appendix III also includes tables showing miles of line and number of customers in rural operating areas, and a statistical table supplementary to the table on page 41 and dealing with rural services in the years 1928 to 1943.

**RURAL SERVICE SINCE ADOPTION OF PROVINCE-WIDE UNIFORM RATES AND
NEW CLASSIFICATION, JANUARY 1, 1944**

Service	Year	Annual revenue	Energy consumption	Number of cus- tomers	Average cost per kwh	Average monthly bill	Average monthly consump- tion
		\$	kwh	No.	cents	\$	kwh
Farm service.....	1944	2,396,508.94	113,706,660	59,639	2.110	3.53	167
	1945	2,606,431.15	137,194,727	65,141	1.900	3.48	183
	1946	3,072,921.16	176,460,859	72,285	1.741	3.72	214
	1947	3,430,307.61	206,420,795	78,668	1.662	3.79	228
	1948	3,942,730.96	242,291,332	87,530	1.627	3.95	243
	1949	4,508,978.00	275,946,330	102,051	1.634	3.96	243
	1950	7,441,437.92	403,018,641	114,724	1.846	4.90	266
	1951	8,097,710.92	410,722,321	123,434	1.972	5.67	287
	1952	9,017,321.17	468,478,642	129,451	1.925	5.95	309
	1953	11,053,487.41	510,783,290	133,522	2.164	7.01	324
Hamlet service....	1944	1,937,102.28	82,106,734	56,130	2.360	2.95	125
	1945	2,027,283.82	92,056,781	58,867	2.202	2.93	133
	1946	2,345,531.81	118,287,655	66,177	1.982	3.12	158
	1947	2,754,265.69	150,411,043	74,879	1.831	3.24	178
	1948	3,279,149.63	185,225,412	85,598	1.770	3.40	192
	1949	3,552,600.42	200,875,642	94,852	1.769	3.28	186
	1950	5,712,108.72	302,905,040	114,592	1.886	3.90	207
	1951	6,380,808.20	314,271,957	124,091	2.030	4.45	219
	1952	7,253,640.00	366,600,438	133,193	1.979	4.71	238
	1953	9,560,018.46	430,507,266	150,627	2.221	5.61	253
Commercial service.	1944	341,646.50	15,010,213	8,262	2.276	3.51	154
	1945	381,570.09	18,915,619	8,870	2.017	3.72	184
	1946	468,391.94	25,069,924	10,315	1.868	4.07	218
	1947	572,625.58	33,304,037	11,851	1.719	4.30	250
	1948	706,949.62	41,665,764	13,589	1.697	4.63	273
	1949	1,147,167.71	69,458,813	18,439	1.652	5.97	361
	1950	2,083,696.71	113,039,553	18,749	1.843	8.00	434
	1951	2,284,851.74	115,121,444	20,110	1.985	9.80	494
	1952	2,457,032.13	125,932,132	24,564	1.951	9.11	470
	1953	3,385,239.46	149,120,428	28,870	2.270	10.56	465
Summer service....	1944	435,622.43	11,859,662	19,291	3.673	1.93	53
	1945	473,887.53	14,250,142	20,947	3.325	1.96	59
	1946	555,833.10	18,352,748	24,244	3.029	2.05	68
	1947	632,102.22	21,116,561	27,182	2.993	2.04	68
	1948	722,951.54	24,440,522	31,088	2.958	2.07	70
	1949	855,107.11	28,038,463	37,313	3.050	2.08	68
	1950	1,376,606.36	32,307,669	43,735	4.261	2.81	66
	1951	1,616,368.92	36,705,187	49,913	4.404	2.86	65
	1952	1,826,359.64	40,319,422	55,159	4.530	2.90	64
	1953	1,833,881.12	34,287,310	57,547	5.349	2.71	51
Power service.....	1944	909,151.13	70,347,788	640	1.292		
	1945	801,755.45	61,780,750	608	1.298		
	1946	695,585.62	52,234,081	756	1.332		
	1947	791,701.84	56,514,985	817	1.401		
	1948	868,667.70	64,376,898	909	1.349		
	1949	922,265.51	62,692,652	976	1.471		
	1950	1,429,465.54	87,983,478	1,011	1.625		
	1951	1,562,608.29	87,692,082	1,058	1.782		
	1952	1,799,924.89	102,608,301	1,170	1.754		
	1953	2,147,899.48	121,310,479	1,289	1.771		

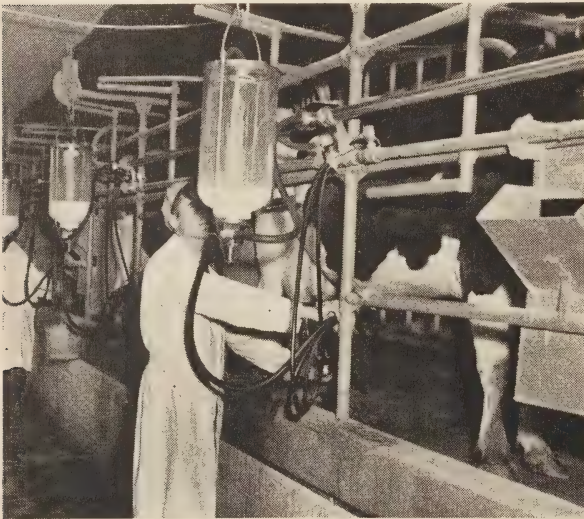
The above figures include customers billed and service rendered during a twelve-month period ending in the fiscal year. Since in 1950 the fiscal period was adjusted to end at December 31, the figures for 1950 cover 14 months.

MILES OF LINE AND NUMBER OF CUSTOMERS IN RURAL OPERATING
 AREAS AT DECEMBER 31, 1953

System by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Commer- cial	Summer	Power	Total
SOUTHERN ONTARIO							
Western	7,276.02	30,461	32,147	5,072	6,345	301	74,326
West Central	6,111.14	24,221	21,704	3,569	3,017	224	52,735
Niagara	1,316.56	6,168	14,232	1,487	1,890	142	23,919
Toronto	1,938.00	6,780	17,333	2,081	4,123	171	30,488
Georgian Bay	8,371.63	22,578	15,167	4,896	22,894	92	65,627
East Central	6,118.01	16,773	17,246	4,248	10,584	100	48,951
Eastern	5,478.71	16,980	13,782	3,850	4,558	133	39,303
Total	36,610.07	123,961	131,611	25,203	53,411	1,163	335,349
NORTHERN ONTARIO							
PROPERTIES							
Northeastern	3,337.09	6,295	15,564	2,750	2,998	100	27,707
Northwestern	1,641.71	3,266	3,452	917	1,138	26	8,799
Total	4,978.80	9,561	19,016	3,667	4,136	126	36,506
Total—All systems	41,588.87	133,522	150,627	28,870	57,547	1,289	371,855

SERVICES TO CUSTOMERS

A variety of services was made available to the Commission's customers—municipal, industrial, and rural—through the Commission's staff both in the regional offices and at head office. These services included advice on all aspects of municipal utility activities—engineering, operation, and finance—as well as guidance and assistance in the improvement of service. Some of these services are discussed under subject headings in the following paragraphs.



ELECTRICAL DAIRY EQUIPMENT

On this dairy farm the cows are milked by electrically-operated equipment. The milk, after being weighed, is transferred by an electrical centrifugal pump to the thermostatically-controlled cooler shown at the right, and stored in cans at a temperature of 38 degrees Fahrenheit.

Industrial Surveys

The maintenance of high power factor is important in the efficient and economical operation of the electrical equipment both of the customer and of the supplier. As a service to industrial customers served either by the Commission or by the municipal utilities, the Commission conducted 83 power-factor surveys. The purpose of the surveys was to assist the customer in avoiding the additional charges levied for low power factor. Recommendations were made for the installation of a total of over 10,000 kva of capacitors. The large majority of these recommendations were accepted since it could be demonstrated that the resulting savings in power bills would liquidate the cost of most installations in about one year. The utilities serving these customers would benefit too since the power-carrying capacity of their equipment would be increased.

Lighting Service

During 1953 the Commission prepared plans and specifications for 304 lighting installations. Of these, 142 were designed to assist the Ontario Department of Education in providing adequate illumination for schools. The others were for public buildings, offices or industrial buildings, sports arenas, and for flood lighting or municipal street lighting.

Electrical Inspection

The Commission is responsible for establishing minimum standards and enforcing their observance in the installation and maintenance of electric wiring and equipment. In the fulfilment of this responsibility, 337,408 permits were issued during the year and 626,690 inspections were made. The marked increase over 1952 of 8.7 per cent in permits issued is a reflection of the continued growth of building activity in the Province.

REPORTS FROM THE REGIONS RELATING TO MUNICIPAL ACTIVITIES

Following certain changes in organization and administrative procedure effected in 1947, the Province was divided into nine regions, and a regional office was strategically located in each of the following municipalities: London, Hamilton, Niagara Falls, Toronto, Barrie, Belleville, Ottawa, North Bay, and Port Arthur. The purpose was to administer more effectively the affairs of the Commission and to bring the public into closer touch with its personnel.

The regional manager and his staff, which includes representatives of the main branches of the Head Office organization, are responsible within the region for the day-to-day activities of the Commission. They also co-operate closely with the municipalities, and when required give advice and assistance to the municipal utilities in their engineering and administrative problems. At the request of the utilities, engineering and construction work in the improvement or extension of municipal distribution systems may actually be carried out by the Commission's staff.

Reports relative to some of the more important municipal activities in each region follow, the order of the regions being that followed above in naming the municipalities where their respective offices are located.

WESTERN REGION

Provision was made for load growth at 60 cycles through the supply of 60-cycle power in Chatham, Ingersoll, St. Thomas, and Woodstock.

The distribution-system voltage was changed from 4,000 to 8,000 volts in Bridgen and Hensall, and extensive rehabilitation was carried out in conjunction with this change in Hensall.

Cottam—A program of rehabilitation of the distribution system was begun in the village.

Granton—Extensive rehabilitation of the distribution system was required following a wind storm of high velocity in September.

Lambeth—A rehabilitation program, which included an increase in transformer capacity and the relocation of a number of transformers, was completed.

London—The Ann Street Station was totally rebuilt. The capacity of the transformers at this station supplying power service customers was increased from 750 kva to 1,500 kva, and two 1,500-kva transformers were replaced by a 3,000-kva unit.

The 120/208 low-voltage network was increased by the addition of 6,500 feet of cable, and 2,000 feet of existing cable were replaced. In both cases, three single-conductor cables of 500,000 circular mils were employed.

Riverside—Major changes were made to the distribution system to provide a tie with the new 5,000-kva Homedale Distributing Station.

St. Thomas—Work was completed on a new 25-cycle municipal station to serve the northeast section of the city, and the capacity of Municipal Station No. 2 was increased to take care of 25-cycle load growth.

Sarnia—The tornado that swept through the centre of the municipality in May caused widespread damage to the distribution system. Service was quickly restored and the extensive reconstruction required was carried out with a minimum of delay.

Windsor—The frequency standardization program in the city of Windsor was completed during 1953.

A new municipal station, located at the corner of Guy and Millay Streets, was placed in service to supply customers in the east end of the city.

Woodstock—The 550-volt distribution circuits out of Municipal Station No. 2 were changed to 4-kv, 3-phase, 4-wire operation to provide improved service at 60 cycles.

WEST CENTRAL REGION

In the West Central Region, a change in distribution voltage from 4,000 to 8,000 volts was effected in Blyth. Rehabilitation of the distribution system was begun in Clinton, and extensive rehabilitation was carried out in sections of Burford, Drumbo, Jarvis, and Princeton.

Ayr—Three-phase power service was supplied to a new factory, and to an artificial-ice plant in the local arena.

Brantford—Primary and secondary 60-cycle distribution circuits were extended and a 2,700-kva, 60-cycle municipal station was built. The new station required the erection of two miles of 27.6-kv, 60-cycle line.

Brantford Township—A total of 277 new customers was added to the system during the year. Power at 60 cycles was provided to two supermarkets.

Burlington—Following the annexation by Burlington of a portion of Nelson Township, the local utility purchased from the Commission the facilities supplying 15 customers in the annexed area. Construction was begun on a 750-kva, 3-phase, 4,100—120/208-volt substation to supply a large shopping centre which will be completed early in 1954.

Galt—By the end of the year, the 60-cycle load in the municipality was 5,300 kilowatts. Work was undertaken on subtransmission lines and municipal stations in preparation for a change in supply voltage from 13.8 to 27.6 kv.

Goderich—Power was supplied to a new housing development, and over a mile of primary line was erected to serve a new power service customer.

Guelph—A total of 810 new customers was added during the year. This total included 305 customers located in an area of 2,500 acres annexed by the city at the beginning of 1953.

A temporary 1,500-kva, 60-cycle station was built and two customer-owned, 13.8-kv, 60-cycle stations were installed. The total 60-cycle load at the end of the year was 3,700 kilowatts. The change from 2,400-volt to 4,160-volt operation began in 1953. This program, about half completed by the end of the year, will be carried to completion in 1954, prior to frequency standardization.

Street lighting on York Road was improved by the erection of 83 modern luminaires.

Hamilton—Power at 60 cycles was supplied to new power loads in various parts of the city. Over 50 customers with a total connected load of 2,360 kilowatts were thus supplied.

Three 2,000/3,600-kva dual-frequency transformers were installed in the new distributing station at Barton and Gibson Streets. The capacity of Dundurn Distributing Station was increased by the addition of three 2,000/3,600-kva dual-frequency transformers. A temporary 1,000-kva station was installed to provide 60-cycle power in the western part of the city, and a temporary outdoor 400-kva, 60-cycle station was constructed to supply a new subdivision. At Mohawk Distributing Station, 10,000 kva of 60-cycle transformation was installed. Supply at 25 cycles at this station is maintained on a temporary basis.

Extensive changes and additions were made to the 13.8-kv underground system.

Hespeler—In order to provide for a load increase of 1,500 kilowatts, a new 27.6-kv, 60-cycle station with a capacity of 3,000 kva at 60 cycles was constructed by a power service customer.

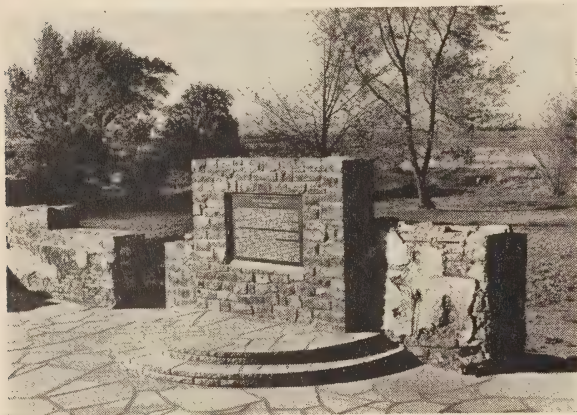
Kitchener—A new 3,000-kva, 13.8—4.0/2.3-kv, 60-cycle substation was constructed. Construction work on the underground low-voltage network was continued and four underground transformer vaults and approximately 500 feet of duct were installed. In addition, two miles of 13.8-kv subtransmission lines were erected as part of a subtransmission loop.

Power was supplied at 60 cycles to meet load growth and 6,000 kva of temporary 60-cycle transformer capacity was added to the system in order to facilitate standardization operations.

New Hamburg—Frequency standardization was completed. Facilities were provided to supply a new power service customer and the local arena.

Paris—Construction was begun on a new substation in the north end of the town. New street-lighting luminaires were installed in the business section.

Plattsville—The distribution system was changed considerably to provide for increased load at the plant of a power service customer.



DECEW FALLS HISTORIC SITE

This memorial, erected in 1952, marks the site of the former DeCou Stone House in grounds owned and landscaped by the Commission. The house, officially declared an historic site in 1953, was associated with events in the war of 1812-14 and with other historical events of the early nineteenth century. These are suitably commemorated on the bronze plaque.

to a large number of power service customers. Two new subdivisions were also supplied with 60-cycle power.

Municipal Station No. 3 was completed with the installation of a 3,000-kva, 3-phase, 60-cycle transformer. A site was purchased and equipment was ordered for Municipal Station No. 5.

NIAGARA REGION

In meeting the requirements for 60-cycle power, six new 60-cycle stations were placed in service in municipalities of the Niagara Region. Three of these were municipal stations in the city of Niagara Falls, and the others were owned by direct industrial customers, one in Merriton and two in Welland. In Thorold, the 25-cycle transformer at Municipal Station No. 2 was replaced by a 60-cycle transformer.

Fonthill—Major rehabilitation was carried out on the distribution system.

Port Dalhousie—The capacity of the distributing station was increased from 1,000 to 2,000 kva.

TORONTO REGION

In the village of Bronte and the west section of Trafalgar Township the distribution voltage was changed from 2,300 to 4,000 volts.

Aurora—New street lighting was installed on the main street and on major side streets.

St. Mary's—The section of the distribution system adjacent to the business section was rehabilitated, and facilities were extended in order to supply a new school.

Seaforth—Luminaires on concrete poles were installed on Goderich Street, power being supplied by underground cable.

Stoney Creek—Distribution facilities were extended to serve several new subdivisions and to meet the requirements of a new power service customer.

Waterloo—Considerable progress was made in providing 60-cycle power

Brampton—The municipality annexed approximately 1,200 acres of Chincouacousy Township, involving the transfer to the municipal utility of approximately 50 customers formerly served by the Brampton Rural Operating Area.

To provide for increased load, a power service customer previously taking power at 4 kv installed a new 27.6-kv customer-owned station.

Etobicoke Township—Service was extended to four new power service customers at 27.6 kv. Three municipal stations having supervisory control and telemetering were placed in service.

A total of 2,600 new customers was added during the year.

The new office building was officially opened on April 22.

Georgetown—A new 27.6-kv customer-owned substation was placed in service.

Mimico—The transformer at Municipal Station No. 2 was rewound for 60-cycle operation, the capacity being increased from 1,500 to 2,700 kva.

New market—A new street-lighting system was installed on the main street.

New Toronto—A 27.6-kv station was installed by a new power service customer.

North York Township—Five new power service customers were supplied at 27.6 kv, and four new municipal stations were placed in service during the year. The capacity of Albion Park Distributing Station was increased from 2,000 to 3,600 kva. The frequency standardization program was completed in April. A total of 3,684 new services was connected.

Oakville—The Public Utilities Commission completed the purchase of the two stations serving the municipality.

Scarborough Township—The new office and stores building was officially opened on October 2.

Six new power service customers were supplied at 27.6 kv. The new Comstock Municipal Station was placed in service and West Hill Distributing Station was increased in capacity from 600 to 3,000 kva.

Approximately 2,550 new customers were added in 1953.



FLORAL CLOCK AT QUEENSTON

In honour of Her Majesty Queen Elizabeth II, the floral clock incorporated a motif appropriate to the year of her coronation.

Streetsville—Following the annexation by Streetsville of approximately 180 acres of Toronto Township, 37 rural customers formerly served by Brampton Rural Operating Area were transferred to the municipal utility.

A new street-lighting system was installed on the main street.

Toronto—During the year, the underground 13.2-kv, 60-cycle system was extended to supply Danforth, Glengrove, North Toronto, George, and Duke Distributing Stations. Service at this voltage and frequency was also given to a number of the system's large power service customers to permit the standardization of their plants. Supply at 60 cycles was also established to the Broadview and Asquith Distributing Stations of the Toronto Transportation Commission, and the 25-cycle rotary converters were replaced by 60-cycle rectifier equipment at the North Toronto, Junction, Duncan, and Carlaw Distributing Stations.

Work proceeded on the installation of secondary distribution lines for the supply of 60-cycle power at 120/240 volts, and also on the installation of the associated 4,000-volt primary distribution lines and transformers. This work was finished in 14 of the 28 divisions of the system. The total load supplied at 60 cycles increased from 50,600 kilowatts to 109,800 kilowatts during the year.

Construction was begun on new 4-kv, 20,000-kva stations on Hammer-smith Avenue and on Runnymede Road. Approximately 500,000 feet of cable were installed in ducts.

Toronto Township—A new power service customer was supplied at 27.6 kv, and a direct customer of the Ontario Hydro was transferred to the local utility.

The new Mineola Municipal Station was placed in service.



ADMINISTRATION BUILDING OF SCARBOROUGH PUBLIC UTILITIES COMMISSION

York Township—Frequency standardization, which commenced in April, was 90 per cent complete by the end of the year.

The rewinding of transformers for 60-cycle operation increased capacity by 80 per cent. The alterations to switchgear, as required by this increase in distributing station capacity, were completed.

A power service customer formerly supplied at 575 volts installed a new 27.6-kv station to provide for increase in load.

Street lighting on all residential streets was improved by increasing fixture height and replacing 100-watt lamps by 200-watt lamps.

GEORGIAN BAY REGION

The distribution-system voltage was changed from 2,300 volts to 4,000/2,300 volts in Kincardine and Penetanguishene, and from 4,000/2,300 volts to 12,500/7,200 volts in Magnetawan. Voltage changes in other municipalities are individually noted.

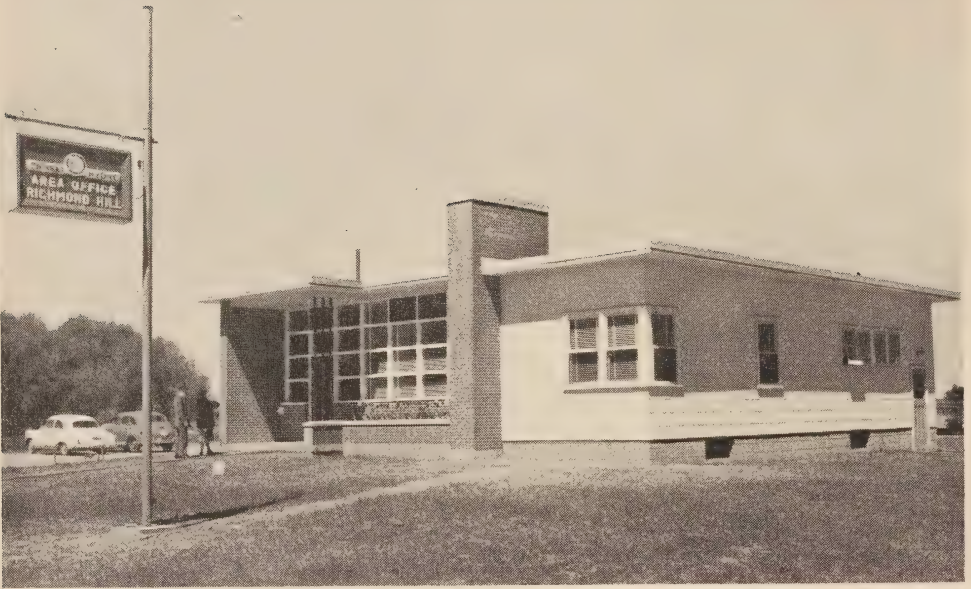
Electronic water-heater control was installed in Alliston, Kincardine, and Penetanguishene.

Barrie—The Bayfield Street Distributing Station and the 44-kv transmission circuit from Barrie Transformer Station to this station were purchased from the Commission.

Coldwater—The transmission voltage was changed from 22 to 44 kv. At the same time, the capacity of the distributing station was increased from 300 to 600 kva.



ETOBICOKE HYDRO-ELECTRIC COMMISSION'S NEW OFFICE BUILDING



RICHMOND HILL AREA OFFICE

This building is typical of the Commission's new area offices.

Elmvale—The distribution system was changed from 2,300-volt to 8,000/4,600-volt operation. A new 2,000-kva distributing station was installed within the municipality to provide transformation for the municipal system and for part of Barrie Rural Operating Area.

Flesherton—The distribution system was changed from 4,000/2,300-volt to 8,000/4,600-volt operation and the municipality is now supplied from the new Rock Mills Distributing Station and not, as formerly, from Eugenia Generating Station.

Port Elgin—A new office and stores building was constructed.

Wasaga Beach—On January 1, 1953, the municipality was transferred from service through the rural operating area and supplied through a Commission-owned local distribution system.

EAST CENTRAL REGION

In the municipalities of Hastings and Havelock, the distribution system was changed from 4,000/2,300-volt to 8,000/4,600-volt operation and in the town of Deseronto the distribution system was changed from 2,300-volt to 4,000/2,300-volt operation.

Frankford—The change of the distribution system from 4,000-volt to 8,000-volt operation was almost completed. Extensive rehabilitation work also was carried out.

Kingston—Municipal Station No. 2 and the lines supplied from it were changed from 2,300-volt to 4,000/2,300-volt operation.

Consideration was given to a plan for the future development of the 44-kv subtransmission system in the municipality.

Lakefield—A new garage and stores building was constructed late in the year.

Peterborough—On January 1, 1953, the municipality of Peterborough annexed a large area to the north of the city, involving the transfer to the utility of approximately 350 rural customers.

Tweed—Most of the work was completed in a major program of construction which, in addition to extensive rehabilitation, included new street lighting, and distribution lines from a new station.

EASTERN REGION

Alexandria—The new Public Utilities Commission building was completed and occupied in March. This modern building provides office, store-room, and garage facilities and replaces accommodation formerly rented at three locations.

Alfred—The electors of the village of Alfred voted in October in favour of purchasing the distribution system and taking power from the Commission under a cost contract.

Almonte—Modern street lighting was installed on Almonte Street.



WINCHESTER RURAL OPERATING AREA
New office building and garage

Arnprior—The voltage on the subtransmission circuit supplying this municipality was changed from 33 to 44 kv during August. Service was provided for a new power service customer.

Modern street-lighting standards were erected on several streets in the business section.

Cobden—The change in distribution-system voltage from 2.4 kv to 12.5/7.2 kv was completed.

Hawkesbury—Extensive rehabilitation of the distribution system was carried out.

Kemptville—The capacity of the distributing station supplying this municipality was increased from 1,000 kva to 2,000 kva and relocated more conveniently near the load centre.

L'Orignal—On July 1, 1953, the municipality assumed ownership and operation of the distribution system and now purchases power from the Commission under a cost agreement.

Martintown—Extensive rehabilitation of the distribution system was undertaken.



RURAL ELECTRICAL SERVICE IN NORTHERN ONTARIO

Line crews are shown completing installations for service to a community in the Rural Power District. Iron Bridge, located on the highway between Blind River and Thessalon, was served by the Commission for the first time in 1953.

Ottawa—The new Florence Municipal Station was placed in service, and the capacity of the Vaughan and Clifton Municipal Stations was doubled.

Prescott—Industrial growth in the area and the development of two new subdivisions required extensive changes and additions to the distribution system.

A new power service customer was supplied at 44 kv in 1953.

Renfrew—Additional generating capacity of 500 kva was installed in one of the municipal hydro-electric stations. A new distributing station with a capacity of 3,000 kva was constructed to supply 4-kv power to the municipality and to replace the facilities formerly supplying power at 6.9 kv. The voltage on the subtransmission circuit supplying Renfrew was changed from 33 kv to 44 kv in August.

Rockland—The municipality entered into a cost agreement with the Commission and will take power under this agreement in 1954. Rockland continued in 1953 to be served by the Gatineau Electric Light Company.

Smith's Falls—A new municipal station with a capacity of 3,000 kva was constructed in the northern part of the town at a location convenient for the supply of certain new power service customers.

Vankleek Hill—On June 1, the municipality took over the ownership and operation of the distribution system and began taking power from the Commission under a cost contract.

NORTHEASTERN REGION

Cobalt—The distribution system was rehabilitated in conjunction with a change from 2,300-volt to 4,000/2,300-volt operation.

Cochrane—The capacity of the municipal station was increased from 1,000 kva to 3,000 kva on November 1, 1953.

Kapuskasing—The municipality began taking power under a fixed-rate contract with the Commission on July 30, 1953. A new municipal station was constructed.

Mattawa—On January 1, the Commission began to supply power to the municipality through the local distribution system purchased by the Commission from the Mattawa Electric Light & Power Company Limited.

North Bay—A new power agreement was signed with the Commission, effective October 1, 1953.

Changes at Municipal Station No. 2 included the installation of 5,000 kva of additional transformer capacity, and the addition of new metal-clad equipment.

Sudbury—A new power agreement was signed with the Commission, effective October 1, 1953.

Changes were completed at the municipal stations to enable them to receive power at 44 kv. Each of the three stations has a capacity of 10,000 kva.

NORTHWESTERN REGION

During 1953, the Commission undertook to supply power to Ignace. This will require the construction of a 115—12.5-kv transformer station and approximately 12 miles of 12.5-kv line.

The Commission was able to give emergency assistance to the town of Rainy River between September 17 and December 1 by supplying power at 2,300 volts from the Rainy River Rural Operating Area through a temporary 12,500—2,300-volt distributing station.

Dryden—The municipality entered into a cost agreement with the Commission and will take power under the agreement early in 1954. A 3,000-kva distributing station was constructed to supply the municipality, and the distribution system was changed from 2,300-volt to 4,000/2,300-volt operation.

Fort William—A new unit-type 4,000-kva municipal station was constructed on Vickers Street.

Port Arthur—A new unit-type 4,000-kva municipal station was constructed on May Street near Memorial Avenue.

SECTION IV

FREQUENCY STANDARDIZATION

IN October 1953, the frequency standardization program entered its fifth year. It had already become apparent that the complete operation would be considerably greater in scope than had been originally estimated because of the greater number of customers requiring standardization and the increased number of appliances per domestic customer. This increase in volume of work to be done, coupled with increased cost of labour and materials, will necessarily be reflected in the total cost of the program.

Standardization of Customer Equipment

During 1953, standardization was completed for 107,430 customers, bringing the total since the inception of the program to 375,718, or well over one-third of the estimated total number of customers requiring standardization. Of the 107,430 customers changed over in 1953, 17,027 were customers who had moved during the year from 25-cycle to 60-cycle areas in the Southern Ontario System. Approximately 80 per cent of these were locating in the 60-cycle area of Metropolitan Toronto, an indication of the continued rapid development in this area. At December 31, 1953, standardization had been completed for 84 municipal utilities and local systems, while a portion of the work had been completed in 26 others, including those municipalities where 60-cycle power had been made available in advance of the scheduled program. Standardization was also completed in 16 rural operating areas, and partially completed in 15 others.

The accompanying table indicates the progress of the frequency standardization program both prior to and during 1953. In addition to the items recorded in the table, 101,102 clocks, fans, and miscellaneous small devices were exchanged during the year at depots established in areas undergoing



FREQUENCY STANDARDIZATION OPERATIONS
IN METROPOLITAN TORONTO

All the material required for the standardization of each customer in a residential district is delivered to the house just before the actual changeover is made.

standardization. In all, 277,205 of these appliances had been so exchanged to December 31, 1953.

PROGRESS OF FREQUENCY STANDARDIZATION BY CLASSES OF CUSTOMERS

	Customers standardized			Frequency-sensitive items standardized		
	Prior to Jan. 1, 1953	During 1953	Total to Dec. 31, 1953	Prior to Jan. 1, 1953	During 1953	Total to Dec. 31, 1953
Domestic.....	207,083 10,792 24,740	69,631 12,289 16,821	341,356	845,117 25,778 59,267	330,645 54,644 42,373	1,357,824
	242,615	98,741		930,162	427,662	
Commercial.....	19,912 1,726 175	6,098 1,101 185	29,197	155,727 6,855 1,875	58,887 11,903 1,038	236,285
	21,813	7,384		164,457	71,828	
Power.....	2,963 826 71	733 551 21	5,165	163,160 46,107 3,277	50,962 67,550 565	331,621
	3,860	1,305		212,544	119,077	
Total.....	268,288	107,430	375,718	1,307,163	618,567	1,925,730

NOTE: The figures on customers and equipment standardized, which are given for each class of customer, relate to (1) those standardized by the Commission's contractor, (2) those standardized by other contractors, and (3) a special group standardized on the occasion of a move from 25-cycle areas to 60-cycle areas of the Southern Ontario System.



TEMPORARY 60-CYCLE TRANSFORMER INSTALLATION
A municipal substation with a 60-cycle transformer (left) temporarily installed during frequency standardization operations. The main 25-cycle transformer will later be rewound for 60-cycle operation, and reconnected, or replaced. At some of the newer substations and with dual-frequency transformers, it is necessary only to reconnect the transformer when standardization of the area is completed.

Load Growth at 60 Cycles

During the year, frequency standardization operations, in addition to offsetting load growth at 25 cycles, reduced the 25-cycle demand by 198,000 kilowatts; at the same time the 60-cycle peak load in the former 25-cycle area increased by 322,000 kilowatts, as compared with 318,000 kilowatts in 1952, and 249,500 kilowatts in 1951. During December of 1953, the Commission's frequency-changers were at times required to supply as much as 165,000 kilowatts to the 60-cycle system.

Provision for the Supply of 60-Cycle Power

The Commission's frequency-sensitive equipment supplying municipal systems and rural operating areas was standardized in accordance with the requirements of the program. Engineering assistance in the standardization of distribution facilities was provided to a number of municipalities, including Windsor, Sarnia, London, and Stratford. Final plans were made for standardization in Waterloo, and major planning and engineering was carried out for areas scheduled for standardization in the near future, including Toronto, Hamilton, Kitchener, Guelph, Galt, Preston, and the immediate districts. In Toronto, provision was made for 60-cycle transformation at the Esplanade and Bridgman Transformer Stations; for increased 60-cycle capacity at Fairbank, Strachan, and Thorncliffe Transformer Stations; and for the construction of two new transformer stations, one adjacent to the Richard L. Hearn Generating Station and the other in southwest Scarborough Township. Plans were completed for the construction of a 115-kv transformer station in Hamilton to supply the southern part with 60-cycle power.

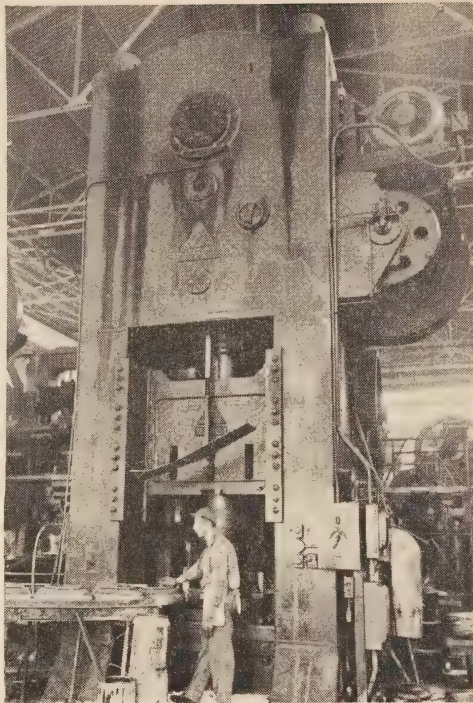
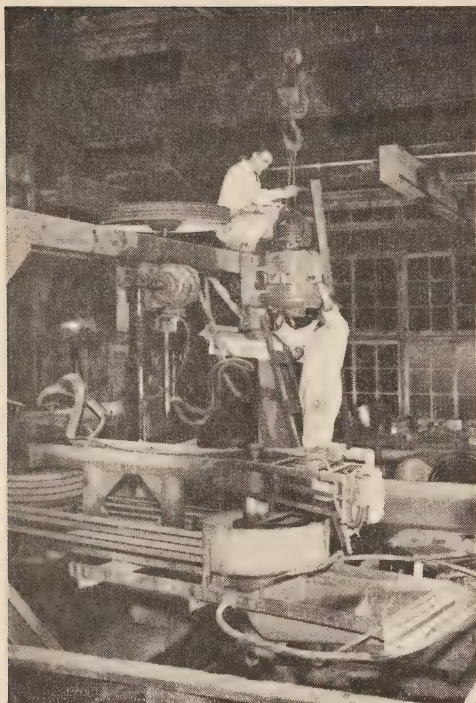


PROGRESS OF FREQUENCY STANDARDIZATION IN THE SOUTHERN ONTARIO SYSTEM—as at December 31, 1953. The shaded part of the map indicates the extent to which the four regions constituting the former 25-cycle area have been standardized at 60 cycles. In a number of municipalities, designated by a square symbol on the map, power was available at both frequencies.

Unit No. 1 at Richard L. Hearn Generating Station was changed over for 60-cycle operation during the summer and returned to service at the end of August. At Chats Falls Generating Station, Unit No. 2, which was extensively damaged during the fire, was being rebuilt for 60-cycle operation, and plans were made for changing over three more units at this station.

Economies Effectuated

With a view to reducing the cost of standardization, the Commission continued its policy of encouraging the manufacture of dual-frequency equipment. Through agreements negotiated with manufacturers, the Commission assumes the additional cost of such equipment and the manufacturer undertakes to make it available to the public at no increase in price. A number of



FREQUENCY STANDARDIZATION IN INDUSTRIAL PLANTS

Left: A 25-cycle motor being removed during the standardization of a large stone-polishing machine
Right: One of two 1,500-ton presses standardized in a Windsor factory. These presses were among the largest pieces of industrial equipment standardized during the year.

such agreements were executed during the year with manufacturers of fan motors, oil-burner motors and controls, and refrigerator units. At the end of 1953, a total of 292,020 fluorescent lighting ballasts, 7,890 refrigerating units, and 176,811 motors, ignition transformers, and other pieces of equipment of the dual-frequency type had been sold under agreements of this kind.

Other economies were effected through improved methods and procedures. Wherever possible, equipment salvaged from customers' premises at the time of standardization has been reconditioned for 60-cycle operation and used in the program. Many new rewind designs were developed for both single-phase and polyphase motors. A total of 44,961 motors were rewound during the year, of which 29,993 were rewound in the Commission's rewind shop. Approximately 20 per cent of the 25-cycle motors associated with domestic and commercial equipment were replaced with rewound motors, and about 37 per cent of the connected horsepower in industrial motors standardized in 1953 was replaced with rewound motors.

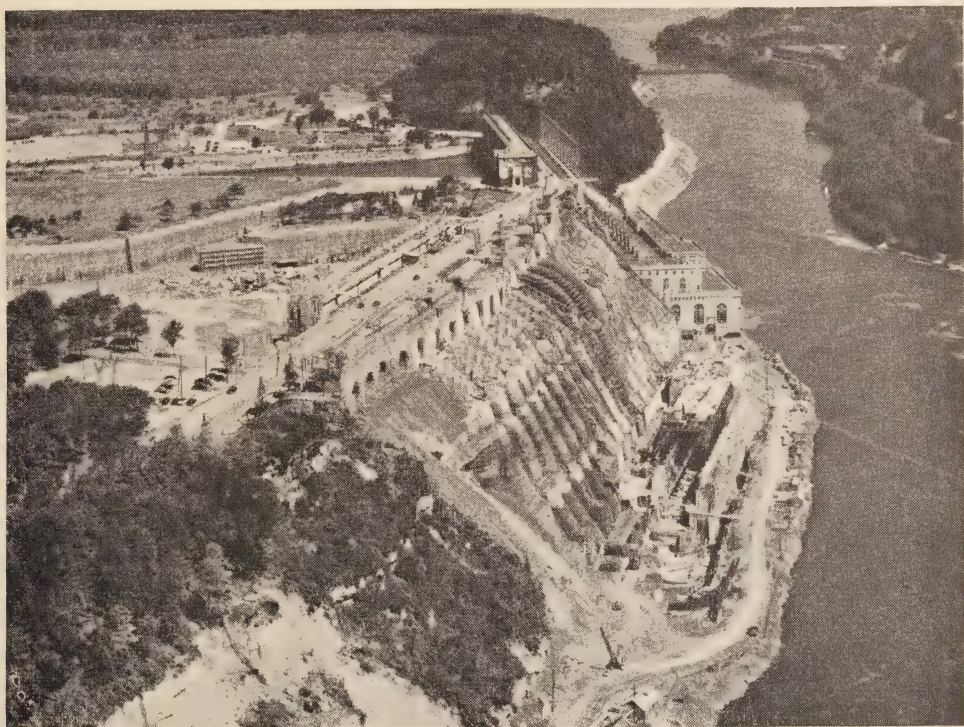
Further substantial savings were effected in the operations of the Commission's meter shop, in which 25-cycle meters are changed over for 60-cycle operation. During the year, 57,742 single-phase watt-hour meters, power meters, special meters, and relays were standardized at 60 cycles.

SECTION V

ENGINEERING AND CONSTRUCTION

WHILE engineering activity at Sir Adam Beck-Niagara Generating Station No. 2 continued to be of prime importance in the 1953 capital development program, undertakings of lesser but nevertheless significant importance were being developed or constructed elsewhere in the Province. At the same time, the frequency standardization program was reaching the point where it began to have an increasingly important bearing upon the engineering activity at generating stations in the Southern Ontario System and on their associated transformation and transmission facilities.

During 1953, the Commission undertook to extend the Sir Adam Beck-Niagara Generating Station No. 2 by the inclusion of a pumped-storage scheme.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Aerial view of the headworks, penstocks, and generating station, July 1953.

At the same time, the headworks were extended and the canal was widened to allow for the provision of four more units at the main generating station when they may be required. The ultimate development thus became a sixteen unit project with additional capacity available when the reservoir pumps are operated in reverse by flow from reservoir to forebay.

In July 1953, the Governments of the United States and Canada gave official approval to the recommendations made by the International Joint Commission for remedial works above the falls on the Niagara River. Under the terms of The Niagara Diversion Treaty signed by the two countries in 1950, the remedial works would serve to enhance the scenic beauty of the falls, and the two signatories undertook to share equally in the cost of their construction.

The Otto Holden Generating Station on the upper Ottawa River was completed in 1953 by the placing in service of the eighth unit. At Pine Portage Generating Station on the Nipigon River, construction was undertaken for the addition of the third and fourth units. Plans were prepared for the development of a new generating station at Manitou Falls on the English River.

Reference was made in the Forty-fifth Annual Report to the inter-relationship between the program of frequency standardization with the consequent changes in the 25-cycle and 60-cycle loads, and the program of capital development of new generation, transformation, and transmission facilities.

This inter-relationship was brought into greater prominence during 1953 as the necessity arose to standardize generating facilities from 25-cycle to 60-cycle frequency, and as construction at the 60-cycle Sir Adam Beck-Niagara Generating Station No. 2 approached the point where the first unit will be delivering power. At the Richard L. Hearn Generating Station, where the



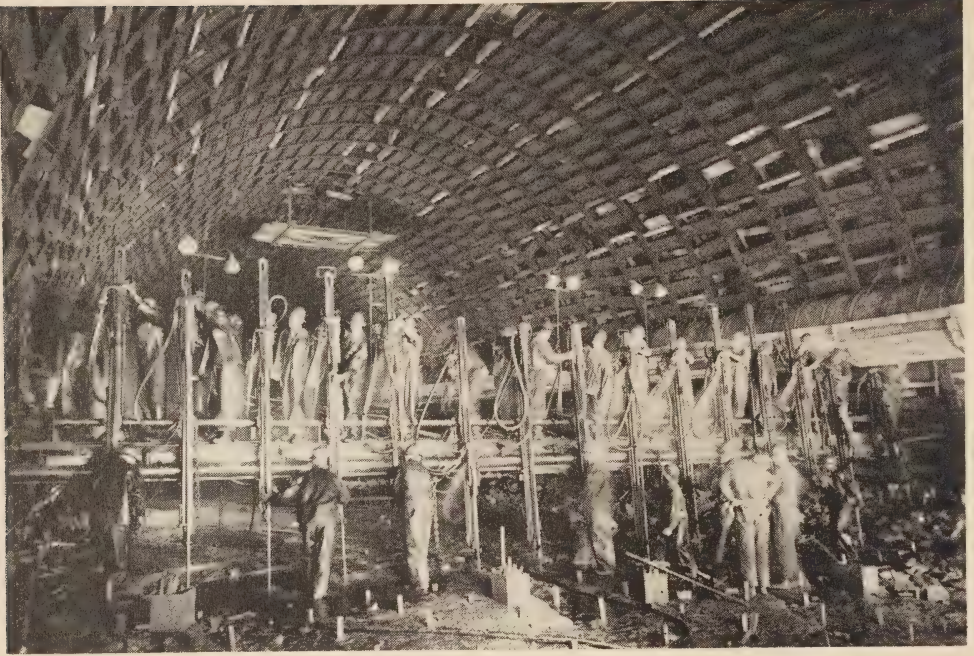
SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Intake gathering tube No. 1 looking down stream. The cofferdam is beyond the picture at the right.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Exterior of the downstream end of intake gathering tube No. 1, where the tapered openings between the vanes are narrowest



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Interior view of the intake gathering tube looking towards the narrow upstream end. At the control gate at the downstream end, the gathering tube reaches its maximum size and is 45 feet square.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—The tunnels were excavated by the heading and bench method. The drills shown are spaced at fixed distances apart and probe only to the depth appropriate for the placing of the explosive charges.

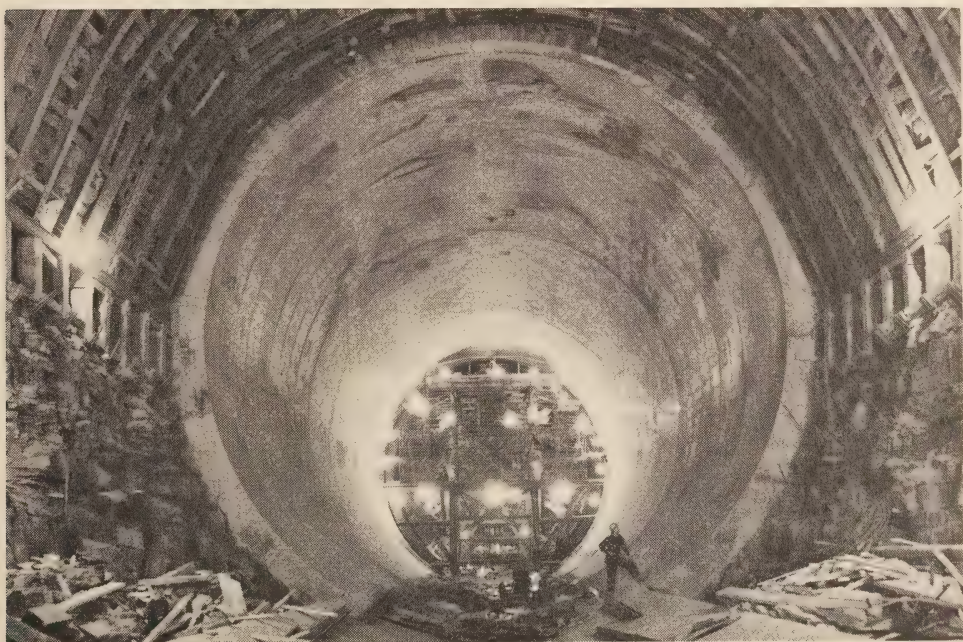


SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Pouring concrete for the invert in Tunnel No. 1. Workmen are trowel finishing the surface.

fourth unit was placed in service during the year, one of the two units initially installed for 25-cycle operation but designed for 60-cycle operation with minor modification was changed to 60 cycles. At the J. Clark Keith Generating Station in Windsor, the third and fourth units were placed in service. At this station and near Sarnia, interconnections were established with The Detroit Edison Company for the interchange of 60-cycle power. At Chats Falls Generating Station, a fire occurred on March 2, causing extensive damage particularly to the No. 2 unit, and with the growing requirement for 60-cycle power, it was planned to rebuild this unit and three other units at this station for 60-cycle operation. Meanwhile progress was maintained in the planning and construction of transformation and transmission facilities to incorporate into the system all these sources of 60-cycle power.

On July 10, 1953, the Federal Power Commission of the United States announced its decision to grant a licence to the Power Authority of the State of New York to proceed with the United States part of the power development of the International Rapids Section of the St. Lawrence River. Ontario Hydro was prepared to proceed with construction but commencement of work was deferred pending the outcome of litigation in the United States courts with regard to this licence.

In the meantime, extensive surveys of the river, and investigations of foundations for both temporary and permanent structures were carried out. The Commission completed the construction at A. W. Manby Service Centre of three hydraulic models of those sections of the river extending between Prescott and the site of the generating station at Barnhart Island. These models, designed to follow the contours of the topography on a horizontal scale of 1:500 and a vertical scale of 1:100, will be used to reproduce the behaviour of



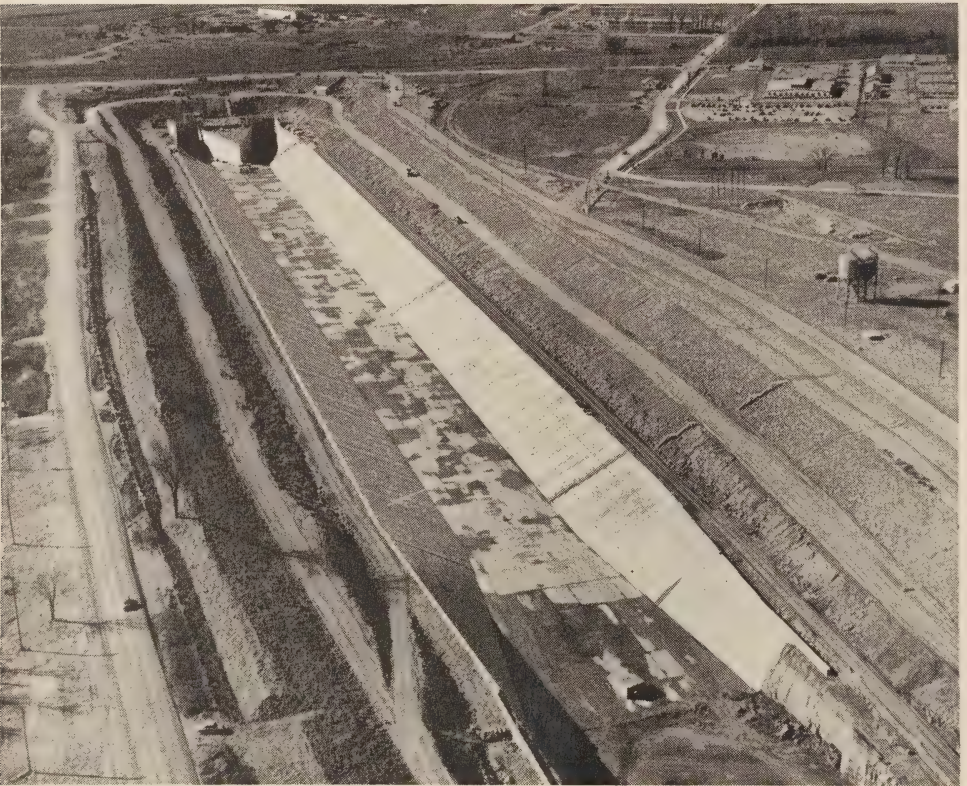
SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Section of Tunnel No. 1 after concreting. In the foreground the invert laid, and above, the wall of the excavation and the steel support structure for the roof.

the river itself over a full range of flows. Like the Commission's model of the Niagara River, they will serve for the testing of various schemes of channel excavation and various designs and locations of structures. At the end of the year, verification of the models was proceeding with regard to water-levels and to the distribution and speed of flow.

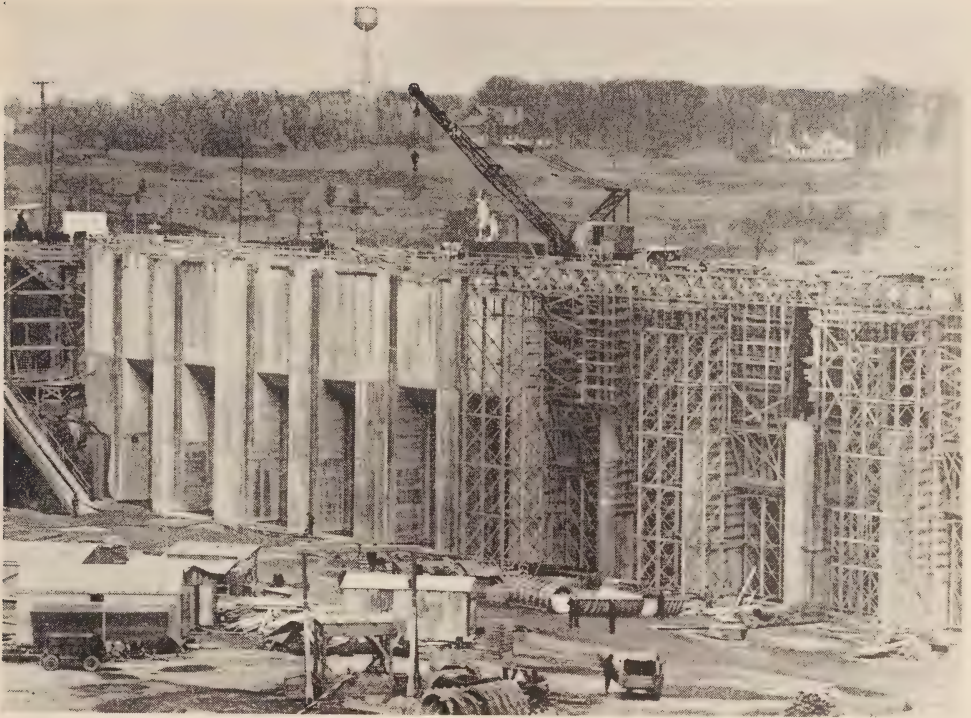
A review of the most important engineering and construction activities during the year is given for each of the systems in this section. Each major undertaking involving the construction of new generating facilities is briefly described, and a report is given on progress in the construction of transformation and transmission facilities.

System and Program Planning

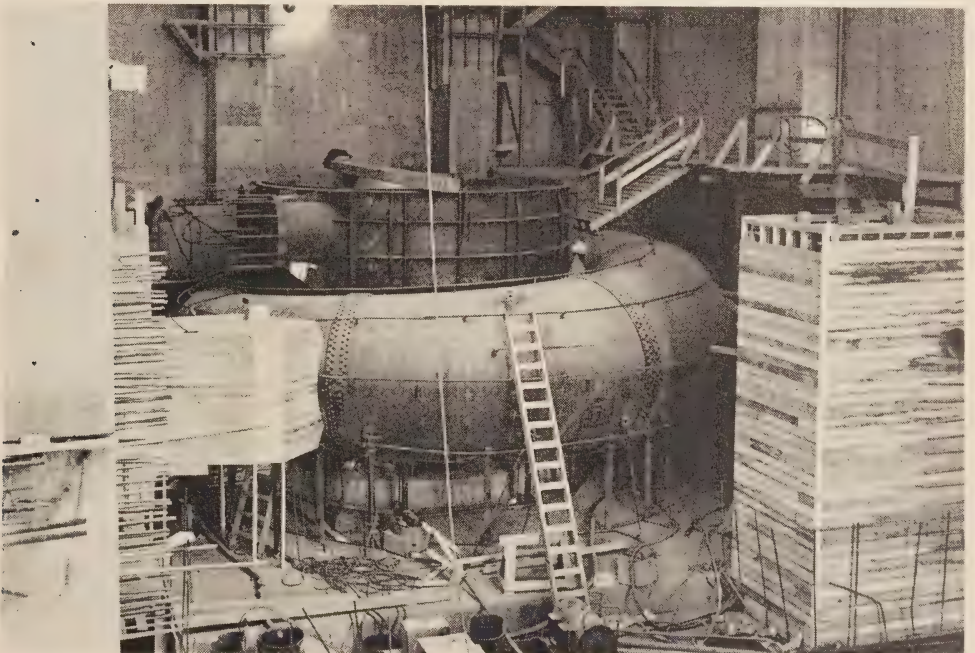
Planning activity was primarily concentrated on the necessity for increased transmission and transformation facilities to meet growing loads, and on the requirements of frequency standardization. The new Detweiler Transformer Station, named in honour of one of the pioneer promoters of Hydro, was placed in service in July. Plans were also completed for the construction of new 230-kv circuits required to transmit power from Sir Adam Beck-Niagara Generating Station No. 2, and for increases in step-down capacity at the E. V. Buchanan and A. W. Manby Transformer Stations.



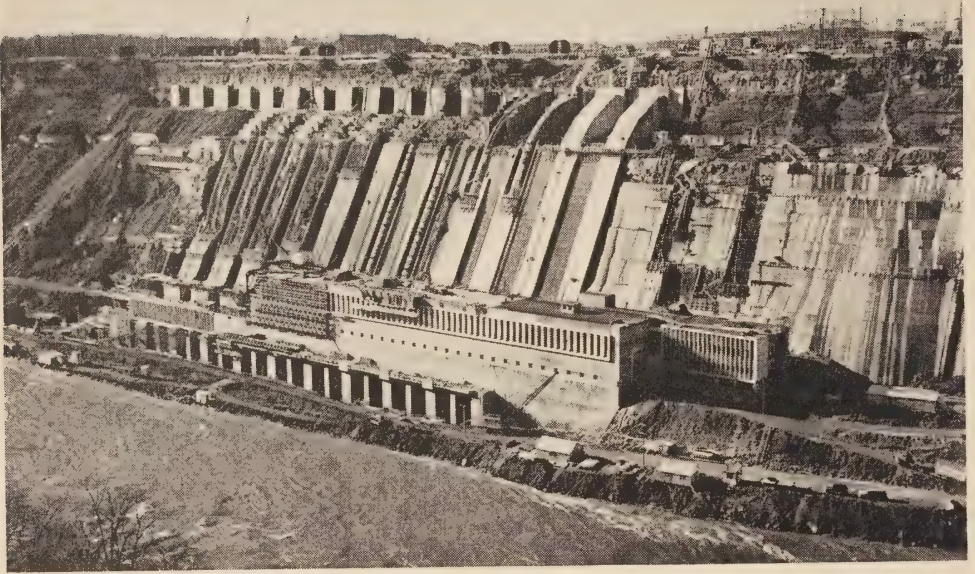
SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Trapezoidal section of the canal looking towards the two tunnel exit portals. At this point, the canal was concreted since it crosses glacial debris filling a gorge which in prehistoric times was the course of the river.



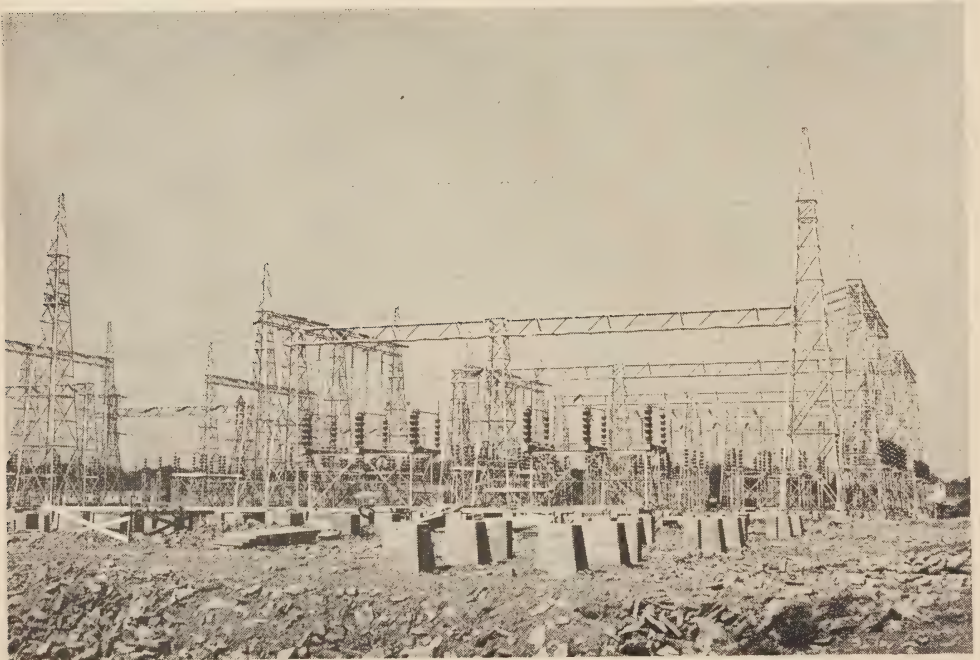
SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Headworks structure. Each pair of openings in the concrete work shown at the left conveys water to the penstock supplying one unit.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Scroll-case for the turbine for Unit No. 1, prior to being embedded in concrete



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—General view of the generating station and penstock construction, December 1953. The installation of six penstocks was approaching completion and most of the excavation work both for the penstocks and for the generating station was finished.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—General view of the switchyard, located on an island between the canals which flow into the interconnecting forebays of Sir Adam Beck-Niagara Generating Stations No. 1 and No. 2

The interconnection which since 1950 has linked the Southern Ontario System with the Northeastern Division was originally established in order that anticipated deficits of power and energy in the Northeastern Division could be met by transfer from resources of the Southern Ontario System. In order to meet increasing deficits as the loads in the Northeastern Division continue to grow, plans were carried forward to strengthen the interconnection by the addition of a second 115-kv circuit linking Otto Holden Generating Station with Crystal Falls Generating Station, and the installation of a second 60,000-kva, 230—115-kv autotransformer bank at Mattawan Transformer Station adjacent to Otto Holden Generating Station.

In the Northwestern Division, developments which were the subject of extensive planning work included the provision for a new generating station on the English River at Manitou Falls, and for a new 115-kv transformer station between Port Arthur and Fort William to be known as Port Arthur-Birch Transformer Station. Plans were also made for the construction of additional 115-kv transmission from this new station to Moose Lake Transformer Station, and for the necessary alterations to facilities to accommodate the output of the third and fourth units at Pine Portage Generating Station.

In surveying the possibility for additional interconnections with neighbouring systems, the Commission, in conjunction with the Manitoba Hydro-Electric Board, studied the joint requirements of the Northwestern Division and the neighbouring areas of the Province of Manitoba.

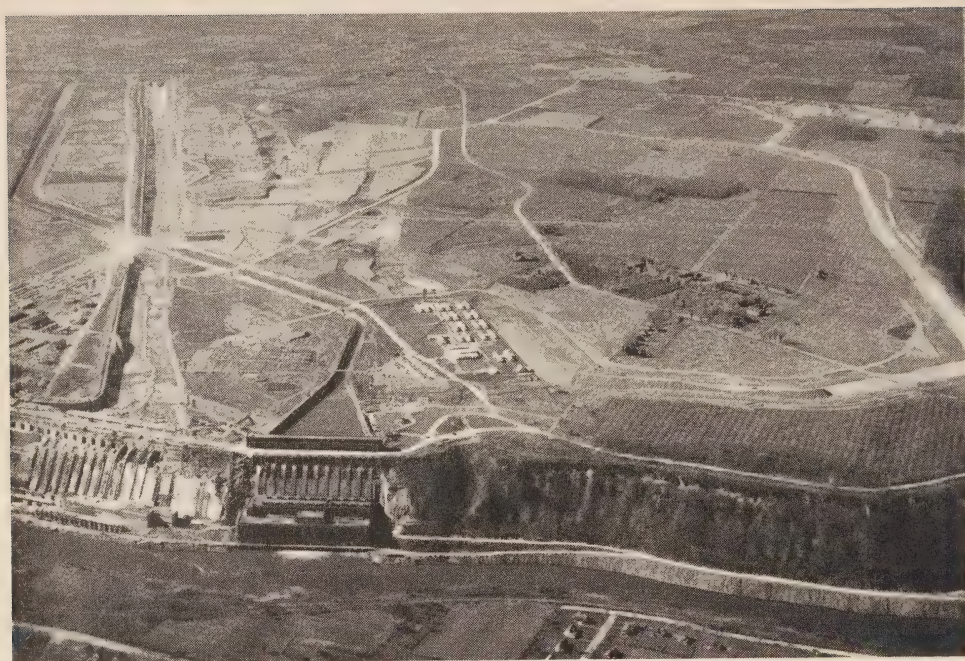
SOUTHERN ONTARIO SYSTEM

Progress on Power Developments

SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2—NIAGARA RIVER

<i>Location</i>	—Six miles down stream from the cataract, near Queenston, and adjacent to Sir Adam Beck-Niagara Generating Station No. 1.
<i>Ultimate Installed Capacity</i>	—1,370,000 kilowatts (900,000 kilowatts in 12 units in main generating station, 170,000 kilowatts in pumped-storage scheme, 300,000 kilowatts in four additional main generating units to be added as required), 60 cycles.
<i>Rated Head</i>	—292 feet.
<i>In-Service Schedule</i>	—Five units in 1954, six units in 1955, one unit in 1956, pumped storage in early 1957, and the remaining four units at the main generating station as required.
<i>Estimated Cost</i> (16 units and pumped storage)	—\$343,700,000, including generation, step-up transformation, and high-voltage switching at the site.

During 1953, it was decided to amend the program of work to provide for the pumped-storage scheme and for four additional units in the main generating station. The project, thus amended, includes the initial installation of twelve units at the main generating station, the subsequent installation of six reversible pump-turbine units to transfer water to and from the reservoir storage, and the ultimate addition of the four other generating units as they may be required.



SIR ADAM BECK-NIAGARA GENERATING STATIONS No. 1 and No. 2—Aerial view of the two generating stations showing at the left the point of the canal cross-over. To the right of the interconnecting forebays and beyond the Queenston construction camp is the location of the pumped-storage reservoir.

The main features of the Niagara project include two intake structures; two hydraulic pressure tunnels, one 5.1 and the other 5.4 miles in length and each 45 feet in finished diameter; a canal $2\frac{1}{4}$ miles in length; a main generating station; and the pumped-storage scheme.

The pumped-storage scheme involves the construction of a reservoir immediately to the north of the canal and some 700 acres in extent, having a capacity of approximately 15,000 acre feet. At times of low demand, pumps will lift water into the reservoir to a level varying from 60 to 86 feet above the canal, and when operated in reverse will act as turbo-generators with an installed capacity of 170,000 kilowatts. At times of high demand the water flowing back through the pumps will permit fuller use to be made of all generating units in the Sir Adam Beck-Niagara Generating Stations, particularly when restrictions in the use of water under The Niagara Diversion Treaty would otherwise prevent operation of all generating facilities to capacity.

Acting upon the recommendations of the International Joint Commission and working in close liaison with the United States Army Corps of Engineers, Ontario Hydro began in 1953 the construction of the remedial works above the falls on the Canadian side of the Niagara River. They include a control dam at Grass Island Pool to control the water-level in the Chippawa-Grass Island Pool area, and require the excavation of channels and the filling in of the present extremities on both sides of the cataract. The purpose is to enhance the scenic beauty of the falls and reduce erosion at the centre by creating a more uniform flow over the 2,600-foot crestline of the cataract, and at the same time to contribute to the most effective use of water for power production.

Excellent progress was maintained on all features of the power development. Concrete work was 66 per cent complete at the intake, complete in the canal, and almost complete at the headworks. For tunnel No. 1 the concrete lining was finished throughout, and for tunnel No. 2 it was over 26 per cent completed by the end of the year. Meanwhile, installation of turbines and electrical equipment was proceeding at the generating station, with the prospect of the first unit being ready for operation in April 1954.

**Summary of Ontario Hydro's Power Development Program—1945-1957
As at December 31, 1953**

System and Development	In service	Dependable peak capacity kilowatts
SOUTHERN ONTARIO SYSTEM		
DeCew Falls (extension)—Niagara Region.....	Sept. 1947	57,000
Stewartville—Madawaska River.....	Sept. 1948	63,000
Additional power purchase contract—Polymer Corporation.....	Nov. 1948	22,000
Emergency fuel-electric units.....	Jan. 1949—Apr. 1950	47,000
Des Joachims—Ottawa River.....	July 1950—Feb. 1951	380,000
Chenau—Ottawa River.....	Nov. 1950—Sept. 1951	120,000
Richard L. Hearn—Toronto.....	Oct. 1951—June 1953	388,000*
J. Clark Keith—Windsor.....	Nov. 1951—Oct. 1953	264,000†
Otto Holden—Ottawa River.....	Jan. 1952—Apr. 1953	210,000
Sir Adam Beck-Niagara No. 2—Niagara River (12 units).....	1954—1956	900,000**
pumped-storage scheme.....	1957	170,000†
NORTHERN ONTARIO PROPERTIES		
NORTHEASTERN DIVISION		
George W. Rayner—Mississagi River.....	July 1950	47,000
NORTHWESTERN DIVISION		
Ear Falls (extension)—English River.....	June 1948	6,000
Aguasabon—Aguasabon River.....	Oct. 1948	44,000
Pine Portage—Nipigon River.....	July 1950—58,700 kw 1954—59,600 kw	118,300
Manitou Falls—English River.....	1956	42,100

* Installed capacity. When all four units are operating at 60 cycles, installed capacity will be 400,000 kilowatts.

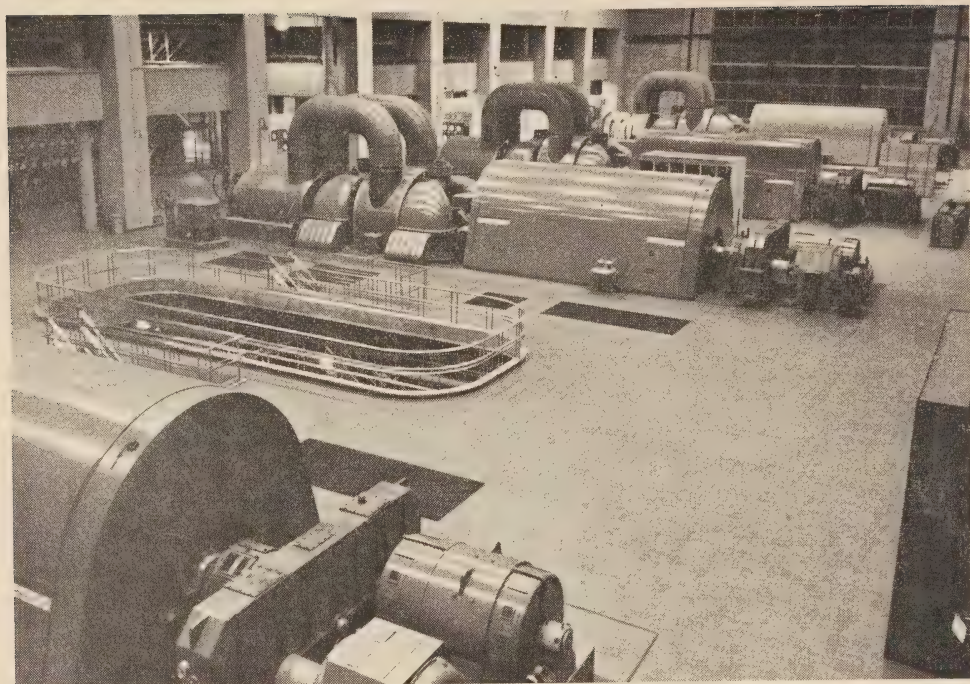
† Installed capacity.

** Installed capacity—Four more main generating units to be added as required. Ultimate capacity—1,200,000 kilowatts.

**Expenditures on Capital Construction
By Fiscal Years 1946-1953**

	Genera- tion	Transfor- mation	Trans- mission	Rural	Other	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1946.....	6,160	4,184	3,980	4,942	320	19,586
1947.....	20,725	9,587	7,892	6,672	961	45,837
1948.....	48,122	12,839	14,369	13,514	1,833	90,677
1949.....	79,472	19,172	22,061	23,827	5,584	150,116
*1950.....	86,637	28,025	30,346	19,521	6,951	171,480
1951.....	94,267	25,143	17,886	22,725	4,597	164,618
1952.....	96,682	22,954	15,628	23,033	4,534	162,831
1953.....	117,311	21,711	15,444	24,402	4,767	183,635
Total 1946-53.....	549,376	143,615	127,606	138,636	29,547	988,780

* 14-month fiscal period.



J. CLARK KEITH GENERATING STATION—The main operating floor of the generator-room showing the steam turbine generators

RICHARD L. HEARN GENERATING STATION (STEAM)—TORONTO

- Location* —The eastern area of Toronto's waterfront.
- Installed Capacity* —Units No. 1, 2, and 4 each 100,000 kilowatts at 60 cycles. Unit No. 3, 88,000 kilowatts at 25 cycles. Total installed capacity—400,000 kilowatts with all units operating at 60 cycles.
- In Service* —Unit No. 1, October 27, 1951; Unit No. 2, February 4, 1952; Unit No. 3, November 12, 1952; and Unit No. 4, June 10, 1953.
- Estimated Cost on Completion* —Fully incorporated into the system—\$56,500,000.

The placing in service of the fourth unit in June brought to completion a program of construction and expansion at this station. The capacity of the station was, however, further increased by the standardization of Unit No. 1 at 60 cycles.

J. CLARK KEITH GENERATING STATION (STEAM)—WINDSOR

- Location* —Detroit River, on the southern limits of the city of Windsor.
- Installed Capacity* —Four units, 264,000 kilowatts, 60 cycles.
- In Service* —Unit No. 1, April 1, 1952; Unit No. 2, November 8, 1951; Unit No. 3, April 12, 1953; and Unit No. 4, October 9, 1953.
- Cost at December 31, 1953* —\$43,700,000, including generation, step-up transformation, and high-voltage switching at the site.

The brickwork and roof of the extension to accommodate the third and fourth units were completed during the early months of the year and Unit No. 3 was placed in service in April. When Unit No. 4 went into service in October, the program for installations at this station was completed.

Transformer Stations and Transmission Lines

Details of the main transformation and transmission facilities constructed or under construction in 1953 are given in the following paragraphs. Supplementary information regarding mileage of transmission lines is given in tabular form in Appendix IV.

Interconnection with The Detroit Edison Company

Early in September, two interconnections were established for the interchange of 60-cycle power between the Commission's Southern Ontario System and the system of The Detroit Edison Company. One crosses the Detroit River between the J. Clark Keith Generating Station at Windsor and the Waterman Generating Station in Detroit; the other crosses the St. Clair River to link Sarnia Transformer Station and The Detroit Edison Company's Marysville Generating Station near Port Huron. The cables crossing the rivers are suspended in spans over 2,300 feet in length from 302-foot towers on either shore. They were strung from anchor towers and passed over the suspension towers on the Michigan side, then laid on the river-bottom, passed over the



INTERCONNECTION WITH THE DETROIT EDISON COMPANY AT WINDSOR

The river crossing seen from the United States side of the Detroit River with one of the 302-foot crossing towers in the foreground. The picture shows one power conductor already strung and preparations being made to string the two remaining power conductors.



INTERCONNECTION WITH THE DETROIT EDISON COMPANY AT SARNIA

The Detroit Edison Company's Marysville Generating Station seen from the Canadian side of the St. Clair River. The scow, which is carrying a power conductor across the river, is approaching the Canadian shore.

suspension towers on the Ontario side, and eventually pulled into position some 175 feet above the high-water level in an operation carefully planned and executed in co-ordination with navigation control by both United States and Canadian authorities.

Facilities to Distribute Power at 230 and 115 Kilovolts

At Detweiler Transformer Station, the first of two 115,000-kva, 230—115—13.2-kv autotransformers was placed in service in July, and the second in August. The south circuit of the line from Essa Transformer Station to E. V. Buchanan Transformer Station was brought into and out of Detweiler Transformer Station by about two miles of double-circuit, 230-kv line, which was placed in service in June. Two 15,000-kva, 115—26-kv transformers were placed in service in September to provide 60-cycle power to stations in the surrounding area.

In the Annual Report for 1952, reference was made to the planning of 230-kv switching stations in a pooled transmission network. One of these, the Richview Switching Station, is located about six miles north of A. W. Manby Transformer Station. Rerouting of high-voltage transmission lines to permit construction of Richview Switching Station was begun during the year and some 230-kv switching equipment was installed. The Richview Station will eventually provide interswitching between the 230-kv lines from Des Joachims Generating Station and the lower Ottawa River and the 230-kv lines extending in a southerly direction to A. W. Manby Transformer Station, and southwestward to Burlington Transformer Station, and from there to E. V. Buchanan Transformer Station and other points in southwestern Ontario.

The 230-kv transmission line from E. V. Buchanan Transformer Station to J. Clark Keith Generating Station, which was placed in service at 115 kv, 60 cycles in 1952, was changed to 230-kv, 60-cycle operation in January 1953.

At A. W. Manby Transformer Station, the third 115,000-kva, 230—115—13.2-kv autotransformer was placed in service in July. The synchronous condenser removed from Essex Condenser Station and being installed at A. W. Manby Transformer Station is expected to be in service in February 1954. Its capacity will be 48,000 kva at 60 cycles.

Approximately 130 route miles of 230-kv line which will eventually transmit power from Sir Adam Beck-Niagara Generating Station No. 2 were under construction in the Niagara and West Central Regions. These include sections from the generating station to Beaver Dams Junction, from that point to Allanburg and the site of the proposed Glanford Transformer Station, and from this site to both Horning Mountain Junction and Detweiler Transformer Station.

At Allanburg Transformer Station, the rearrangement of the 115-kv switching facilities required in anticipation of the power output of Sir Adam Beck-Niagara Generating Station No. 2 was completed in December. At Burlington Transformer Station, sixteen 115-kv oil circuit-breakers, with a rupturing capacity of 2,500,000 kva, were being replaced by air-blast circuit-breakers rated at 5,000,000 kva, and a 48,000-kva, 60-cycle synchronous condenser was being installed. At E. V. Buchanan Transformer Station, changes in 230-kv relays and in 115-kv switching were being carried out.



PREPARING TO SOUND THE ST. LAWRENCE RIVER

Unnavigable parts of the rapids were sounded by using kytoons or helicopters to suspend a sounding weight. Elevations of the river-bed were obtained by taking sights from land stations on a target secured at a known distance above the sounding weight. In the picture above, kytoons are being launched from the dock at a gauging station.

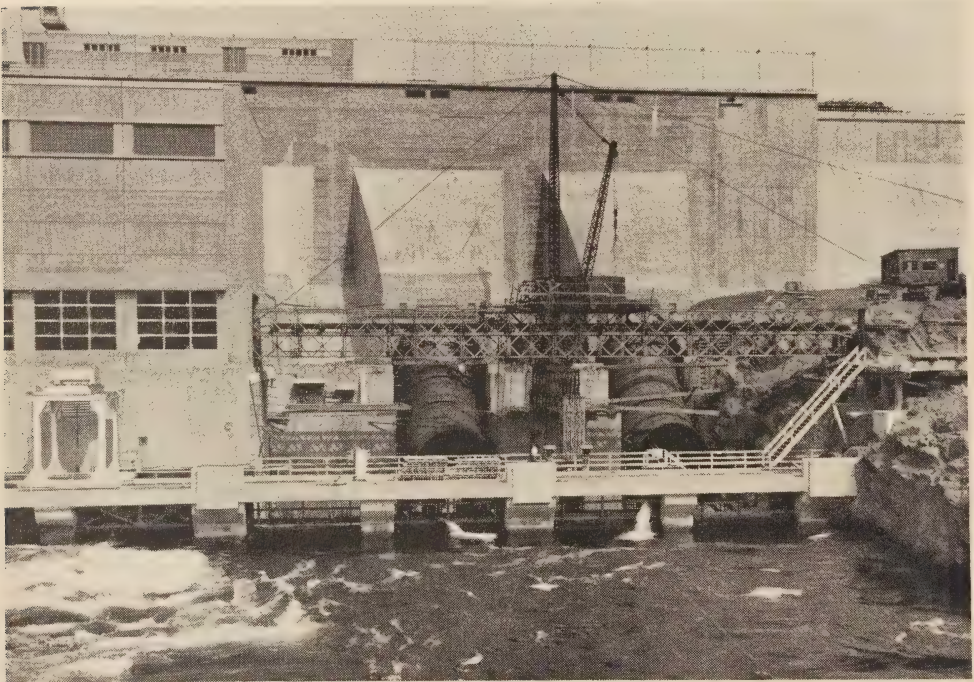
The last of four circuits carried on steel towers between Bloor Street Junction and Toronto-Leaside Transformer Station was placed in service in August.

Facilities to Supply 60-Cycle Power in Advance of Frequency Standardization

Increases in transformer capacity were made at several transformer stations to provide 60-cycle power for new and increased loads in the Western, West Central, Niagara, and Toronto Regions, and two new stations were planned for this purpose in the eastern area of Toronto. They are the Toronto-Basin and Toronto-Main Transformer Stations, each with an initial capacity of 40,000 kva. To permit the shifting of 25-cycle loads during the frequency standardization program in the Toronto area, an exchange of transformers was effected between Toronto-Esplanade and Toronto-John Transformer Stations, of which the net result was a decrease at the former and an increase at the latter of 40,000 kva of 115—13.2-kv transformation capacity.

NORTHERN ONTARIO PROPERTIES

In the Northern Ontario Properties two sources of additional power were being developed in 1953. The first, at the Pine Portage Generating Station on the Nipigon River, represents the completion of the original plans for a four-unit station. The second, at Manitou Falls on the English River, is a new development.



PINE PORTAGE GENERATING STATION—Part of the powerhouse at the left, and the penstocks for the two additional units now under construction

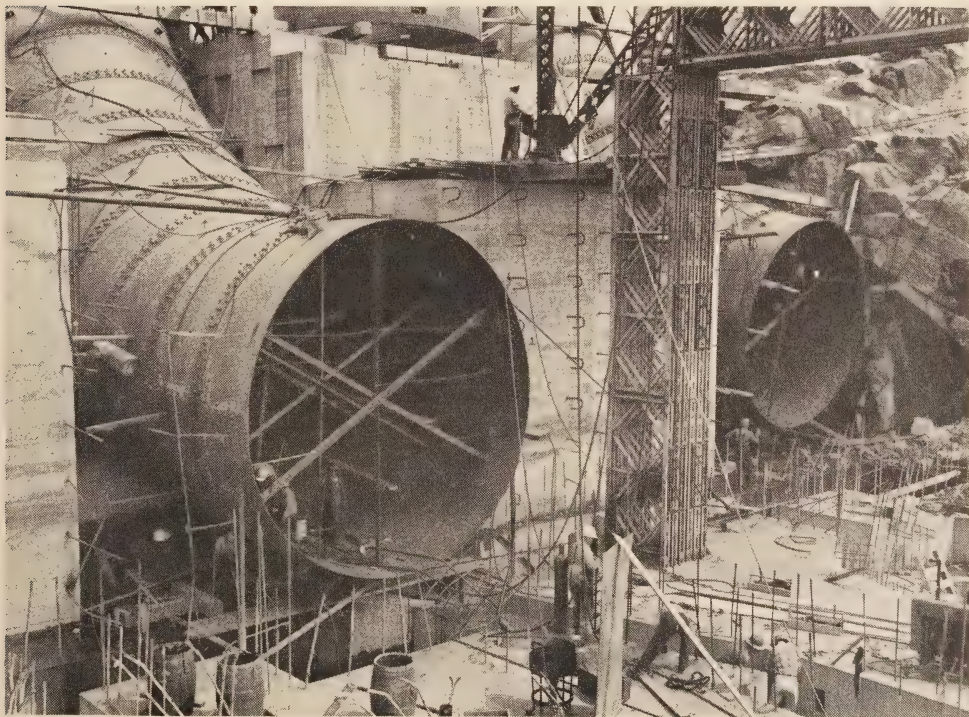
PINE PORTAGE GENERATING STATION—NIPIGON RIVER

- Location* —About 24 miles north of Nipigon.
- Dependable Peak Capacity* —Four units, 118,300 kilowatts, 60 cycles.
- In Service* —Unit No. 1, July 17, 1950; Unit No. 2, September 15, 1950.
- In-Service Schedule*—Unit No. 3 in September 1954 and Unit No. 4 in December 1954.
- Estimated Cost* —\$34,100,000, including generation, step-up transformation, and high-voltage switching at the site.

Shortly after construction on the third unit at Pine Portage Generating Station had begun, the decision was reached to add the fourth unit. By October, the penstocks for both units were completed and by the end of the year work was proceeding on the installation of the turbine and generator for the third unit.

MANITOU FALLS GENERATING STATION—ENGLISH RIVER

- Location* —Twenty miles down stream from Ear Falls.
- Dependable Peak Capacity* —Three units, 42,100 kilowatts, 60 cycles.
- In-Service Schedule*—1956.
- Estimated Cost* —\$17,000,000, including generation, step-up transformation, and high-voltage switching at the site.



PINE PORTAGE GENERATING STATION—A close-up view of the penstocks and powerhouse substructure for the two additional units. At this stage, riveting of the penstocks was almost completed.

Preliminary work was proceeding on the construction of a transmission line from Ear Falls, and of access roads to the site.

Transformer Stations and Transmission Lines

The Commission completed in 1953 the change of the distribution voltage in the Sudbury district from 22 kv to 44 kv. Two 115—44-kv transformers with capacities of 25,000 kva were installed at R. H. Martindale Transformer Station, one in March and one in May. They replaced the temporary 15,000-kva transformers previously installed. An 8,000-kva transformer was removed from this station and installed at Kapuskasing Transformer Station. Work was begun on the removal of two 25—60-cycle frequency-changers, each of 5,000-kva capacity, from Hanover Transformer Station for eventual installation at R. H. Martindale Transformer Station.

A second 8,000-kva, 115—44-kv transformer was installed at Dryden Transformer Station and the unit was placed in service in March. Construction was begun on 120 miles of 115-kv, single-circuit steel-tower line which will link Moose Lake Transformer Station with the new Port Arthur-Birch Transformer Station.

SECTION VI

RESEARCH AND TESTING ACTIVITIES

A LARGE number of research activities were initiated or continued during the year in connection with the engineering, operation, and maintenance of the Commission's systems, and many investigations were conducted to aid construction work, particularly that in progress at Sir Adam Beck-Niagara Generating Station No. 2. Several tests and studies in connection with operations were required as a result of the steady expansion of the Commission's facilities and the interconnections with adjoining systems.

From the wide range of research investigations, a few specific items have been selected for brief discussion in this section. For convenient reference they have been grouped under the headings, "Aids to Generation, Transmission, and Distribution," "New Construction and Structural Materials Investigations," "New Techniques and Their Applications," and "Miscellaneous Work."

AIDS TO GENERATION, TRANSMISSION, AND DISTRIBUTION

Voltage Regulators

Many special and complex tests were performed to assist in evaluating the effectiveness of automatic, generator-voltage regulators in maintaining voltages at the appropriate level. These regulators also increase system stability during transient disturbances and extend the safe operating range of generators and synchronous condensers. Recent improvements in regulators may make it possible to build more economical machines without lowering their standard of performance.

Fuel-Electric Station Studies

Assistance was provided at the time when the contractor was measuring the efficiency of a turbo-generator unit at Richard L. Hearn Generating Station. Instruments were calibrated for use during heat-rate tests by the contractor. The degree of accuracy required in pressure and vacuum gauges, mercurial barometers, and liquid flow-meters necessitated the construction of special pressure gauges and gas-handling apparatus. The induced-draft fan and duct system of the unit was tested to determine whether combustion would be aided by increasing the supply of air; measurements were made of the draft across the fan, the draft across the elbow of the duct leading to the fan, and of the discharge flow to the stack.

Operations Recorder

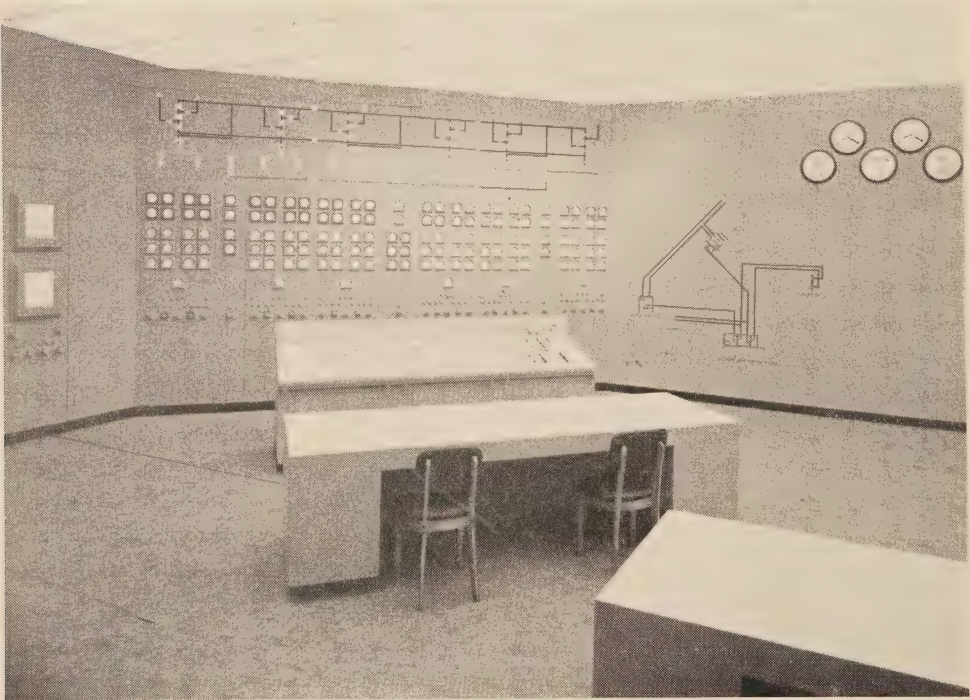
The basic features were developed for an operations recorder which will provide an automatically printed record of the operation of any equipment in a generating or transformer station. The record will show both the time and character of the operation and thereby supplement the operator's log. The recorder combines established computer techniques and telephone exchange equipment. It consists of a high-speed printer to be located in a control-room, and several cabinets of relays and electronic tubes that may be located elsewhere. The printing instrument can register up to seven operations a second; operations of greater frequency will be stored by electro-mechanical relays for subsequent printing. An operations recorder of this type is being constructed for installation at Sir Adam Beck-Niagara Generating Station No. 2.

Control-Room Lighting

The preparation of a full-size model of the control-room for Sir Adam Beck-Niagara Generating Station No. 2 made it possible to test the lighting proposed, and other features of control-room design. Designs for instrument lighting and for an illuminated line diagram of the principal station circuits were studied in addition to general room lighting.

Single-Pole Reclosing

In the past it has frequently been necessary to provide costly duplicate transmission circuits to ensure continuous flow of power during system disturbances though one circuit would suffice to carry the normal load. Within



CONTROL-ROOM LIGHTING

Full-size model used for control-room lighting studies. Tests were made to determine the best lighting arrangement for control panels, operators' desks, and general illumination.

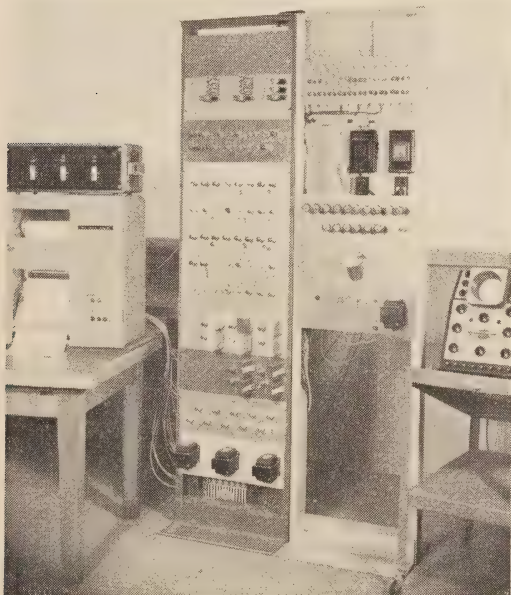
recent years the Commission has introduced a number of single-pole reclosing schemes which clear a fault on one phase while the sound phases continue to transmit power without interruption. Staged-fault tests were made on the relaying scheme associated with the single-pole reclosing installation for the line between Otto Holden and Des Joachims Generating Stations. The tests served to check the correctness of relay adjustments, to measure the minimum reclosing time, and to determine system performance under fault conditions.

Inductive Co-ordination

Telephone interference occasionally occurs if power lines carry harmonic currents of audio-frequencies in addition to the normal power frequency; these objectionable harmonics are sometimes produced by generators of earlier design. Harmonic filters were constructed to isolate these undesirable frequencies from the rest of the system. Series-tuned filters connected phase to phase at two small generating stations effectively reduced telephone interference in one area, and a filter designed to achieve the simultaneous rejection of two harmonics was installed at a distributing station in the Georgian Bay Region to eliminate interference from a long rural line. In the latter instance, interference with neighbouring telephone circuits was aggravated by high ground resistance in the area.

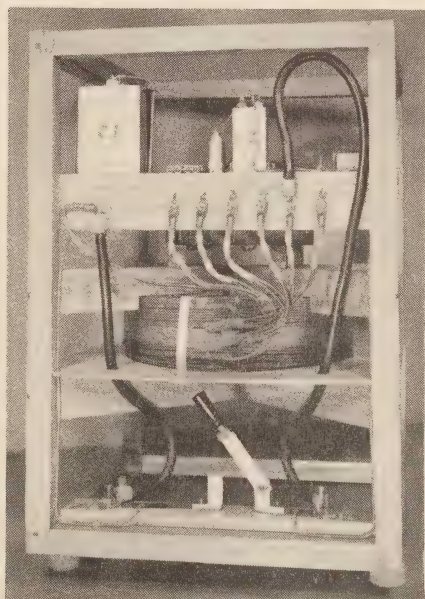
Voltage Fluctuation Due to Large Short-Duration Loads

The operation of large items of equipment such as electric-resistance welders and motors rated at over one hundred horsepower may cause serious voltage fluctuations. These in turn result in reduced performance by the



Left: OPERATIONS RECORDER

A prototype operations recorder undergoing tests. The printer may be seen on the left; the two racks on the right contain the electronic components necessary for its operation. Located on top of the printer is a cabinet containing three switches, which may be used to simulate actual operation of relay contacts in a generating station.



Right: REDUCTION OF HARMONIC INTERFERENCE

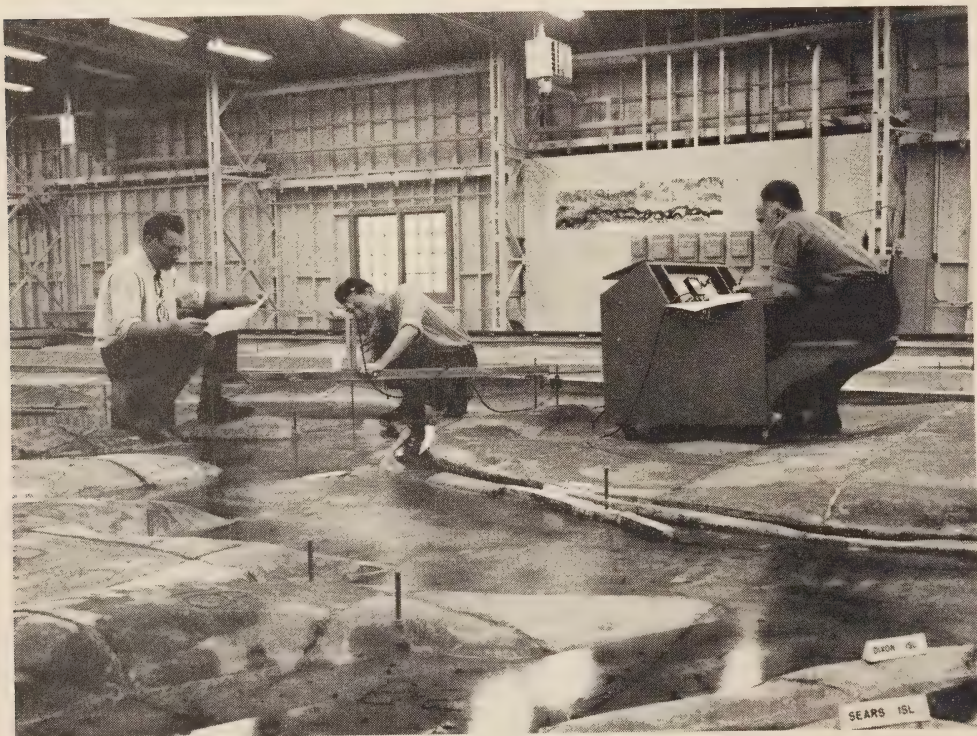
A typical harmonic filter constructed for reducing harmonic interference on rural telephone lines

equipment causing them, and adversely affect the performance of other items of equipment such as television transmitters and receivers, and fluorescent or incandescent lamps, which are sensitive to such voltage fluctuations. Several problems of this kind, most of them involving electric welders, were investigated and satisfactory solutions were devised.

Thermal-demand meters, as well as recording and special peak-load meters, were evaluated as to their ability to measure the system capacity which would be required to supply combined welder and general plant loads without objectionable voltage fluctuations. The tests contributed to the devising of a special rate structure which would provide a fair revenue from welder loads.

Distribution Transformer Insulation

A unique opportunity to test the ability of the insulation of distribution transformers to withstand the periodic surge voltages due to lightning was afforded when over a hundred used transformers of various makes, ages, and service records became available from the frequency standardization program. Impulse tests to destruction were undertaken through the use of a high-voltage artificial lightning generator. The data obtained revealed both a wide variation in ability to withstand these surges, and also the necessity to allow a significant margin for deterioration in normal service. These data should assist in establishing adequate Canadian standards for impulse loads to ensure uniformly satisfactory performance by transformers in the future.



ST. LAWRENCE RIVER HYDRAULIC MODEL

Water velocity in the Canadian Galop Rapids is measured in one of the three hydraulic models constructed by the Commission to reproduce the International Rapids Section of the river. The measuring equipment in use was specially designed for the purpose by Commission engineers.

NEW CONSTRUCTION AND STRUCTURAL MATERIALS INVESTIGATIONS

Research activity in connection with construction was primarily concerned with problems arising at Sir Adam Beck-Niagara Generating Station No. 2. In addition, several studies were initiated on problems pertaining to the St. Lawrence power project.

Soil Mechanics

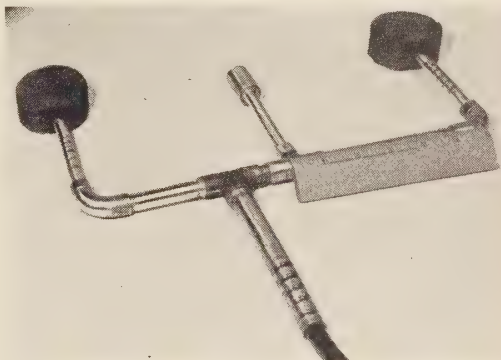
A scale model of the trapezoidal section in the power canal at Sir Adam Beck-Niagara Generating Station No. 2 was constructed to determine the effect of a sudden lowering of the water-level in the canal. Tests were undertaken to estimate the uplift pressure of entrapped water against the canal lining and to establish the required spacing of discharge ports to permit adequate drainage and the relief of excessive pressure. In connection with the pumped-storage reservoir at this project, extensive soil sampling and testing were carried out to locate suitable material for the earth facing on the rock-fill dyke, and to establish the soil cover required to ensure impermeability of the reservoir bottom and stability of the dyke foundation.

At the proposed St. Lawrence development, subsurface exploration was carried out along the dyke line between the generating station and the canal locks. Laboratory tests of the glacial till and marine clay were undertaken to determine their physical properties.

Tunnel Lining and Studies of Rock Movement

The adoption of a 24-hour cycle for the placing of concrete in the tunnels at Sir Adam Beck-Niagara Generating Station No. 2 made it necessary to remove forms after about twelve hours. A detailed study of the strength development of concrete mixes during the first twelve hours was therefore essential. Curing temperature during this period was found to be a more important factor than cement content in early strength development. On the other hand, the early strength development resulting from different cement contents was not necessarily a measure of their comparative strength at later stages. The conditions required to ensure adequate strength in the concrete at the time of form removal were established.

The properties of cement grouts were extensively studied, particularly with a view to their use for preventing the flow of subterranean water in gravel layers and rock formations, and for filling spaces behind the concrete lining of the tunnels. The use of both neat and sanded grouts, the effects of various mixtures, and the economics of using sands from alternative sources and pozzolanic fillers were all investigated. Significant data pertaining to strength, shrinkage, segregation, and costs of application were accumulated.



STRESS MEASUREMENT

Resistance-wire strain gauges mounted in containers for embedding in structures to obtain stress measurements. The cable connecting the gauges to a remote reading point passes through the tube (centre foreground).

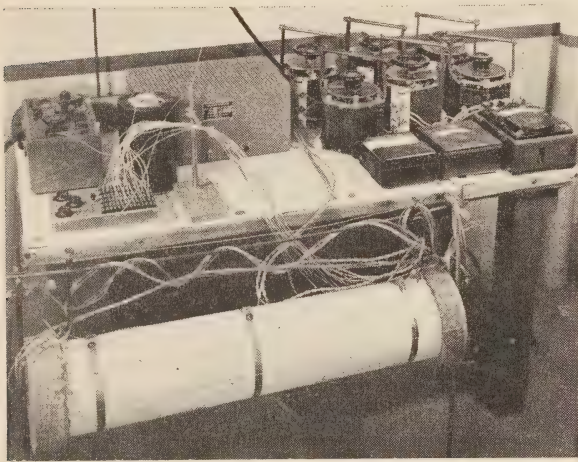
Much useful information on rock movement was obtained through measurements made during the excavation work for the intake, the tunnels, and the canal. At numerous locations in tunnel No. 1, measurements were taken of the stresses created at the inner surface of the concrete lining by pressure grouting of voids in the region of the lining and rock interface. The data obtained served to check assumptions which had been made and to indicate modifications in design which could be incorporated as construction proceeded.

Air-Bubble Protection Against Shock Wave

Laboratory and field investigations were made of the cushioning effect of air-bubbles on water-borne pressure waves preparatory to the blasting of the interconnecting channel between the forebays of the two Sir Adam Beck-Niagara Generating Stations. The tests showed that the air-curtain was very effective in reducing the force of the hydraulic shock wave, and the technique will be used both in the forebay and in the demolition of the cofferdam between the Niagara River and the new generating station.

Concrete Control

The production and stockpiling of concrete constituents, like the production, placement, and curing of the concrete itself, were subject to continuous inspection and control. At Sir Adam Beck-Niagara Generating Station No. 2, this work involved the inspection of 1,022,000 cubic yards of concrete, 668,000 tons of sand, and 1,323,000 tons of crushed stone. Extensive surveys were made in the search for suitable aggregates for use at the proposed St. Lawrence development and for use in rehabilitation work at other generating stations.



EFFECTIVENESS OF THERMAL INSULATION

Test assembly to determine the effectiveness of thermal insulation. Thermocouples are suitably located in the insulation, and measure the temperature at various sections in the insulating cover.

Prestressed Concrete

Further possible uses for prestressed concrete were investigated, and it was established that the mass production of prestressed cable-trench covers was

economically feasible. A test of fourteen covers manufactured indicated that a safety factor of at least five was provided.

A design was completed for a prestressed concrete pole suitable for carrying transmission line, and studies were made of the economics of production and erection of the pole.

Miscellaneous Materials

Plastic pipe, as compared with metal pipe, has three advantages—that it resists corrosion, is easy to repair, and costs less to install. Initial consideration

was given to its value either as a conveyor of insulating and lubricating oils, water, and gas, or as a replacement for steel pipe in cable installations. After exposure to various agents under simulated service conditions, different samples of plastic pipe were subjected to burst tests in the laboratory.

Materials used in masonry repointing, ranging from rich cement-sand mortars to mastic caulking compounds, were tested for their physical properties, and evaluated through field trials under closely comparable conditions. In another comprehensive study, the value of sprayed-on asbestos as thermal insulation and anti-condensation material was established. Moisture absorption characteristics were determined by testing samples under fixed temperature and humidity gradients; results of these and other observations indicated that moisture content is a dominant factor in performance.

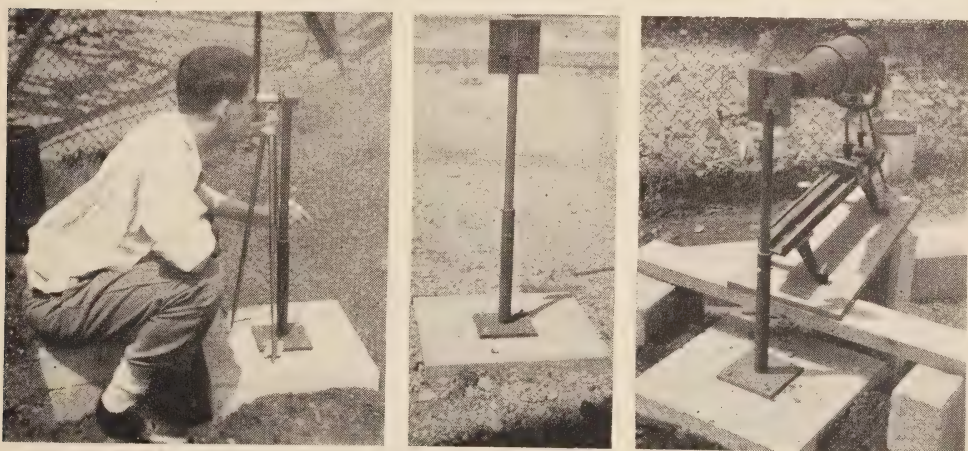
NEW TECHNIQUES AND THEIR APPLICATION

Corrosion Studies

Following the intensified study of corrosion in underground pipelines, a new cathodic protection method was devised. Conventional methods use magnesium anodes, or rectifiers having graphite rods, and were found to be ineffective when applied in proximity to station grounding-systems having low electrical resistance. The new method uses a series system of two heavy two-volt batteries in the leads from the cable pipe to the station grounds.

Photo-Elastic Apparatus for Stress Analysis

A photo-elastic laboratory was established for the experimental determination of stresses in models of structural components. Original designs were prepared for the major items of apparatus, and assembly of these items was completed. A 12-inch-diameter field, together with an appropriate loading frame, permits the examination of comparatively large models of complicated shape. Several photo-elastic analyses were conducted, including the study of typical problems such as the stresses in oil-storage tanks mounted on saddle-type supports, and the bearing capacity of concrete under base plates.



MEASUREMENT OF DEVIATION

Optical equipment in position to measure deviation from a straight line. The light source (right) is observed by means of a small eye-piece, through the narrow slits positioned on the posts, as shown. Deviation of the centre post, normally located on the object under study, can be detected to a high accuracy.

Alignment by Optical Means

A highly accurate method for measuring small deviations from a straight line was adapted for certain special uses. The method is based on a European invention and was originally intended for use over relatively short distances. By using careful techniques, the application of the method has been so extended that it is now possible to measure either a horizontal or vertical deviation of four-thousandths of an inch at the centre of an 800-foot span. It has been used on an experimental basis to measure the foundation movement of a large steam-electric generator.

MISCELLANEOUS WORK

Applications of Chemicals to Vegetation

Investigations were undertaken to improve efficiency in the use of chemical herbicides to control woody plant growth along transmission rights of way. The effect of adding synergistic chemicals to increase brush mortality was investigated. Appraisal was made of the effectiveness of herbicides for application to both deciduous and coniferous species during the dormant season, and a new method of controlling the resprouting of freshly-cut stumps was developed.

As a result of experiments using chemicals to retard the growth of lawn grass and to destroy aquatic vegetation in head-ponds and canals, it is expected that maintenance costs may be reduced. Following a four-year study, a non-poisonous chemical was recommended as a replacement for arsenic trioxide in soil sterilization. By the use of experimental plots, study was given on the one hand to the effectiveness of methods for promoting growth of vegetation through the application of commercial soil conditioners, and on the other hand to the possible use, as compost, of wood chips and other waste organic material from forestry operations.

Wood Pole Problems

In work related to wood-preservation methods and materials, fundamental studies of fungus resistance to toxic agents were conducted. A synthetic soil substrate was prepared as a standard for soil-block decay tests; treated stakes were exposed in outdoor test plots; and data obtained were correlated with the service records of wood poles.

Jack pine poles, having their butts soaked to saturation, were tested to determine the fibre stress that they will withstand. The study considered the effect of preservative treatments, peeling methods, typical defects, rate of growth, age, sapwood thickness, specific gravity, and moisture content. Correlation of laboratory and field data disclosed that strength varied greatly in poles from different habitats, but that it was not affected by the preservative treatment of the sapwood.

Rain-Water for Domestic Use

At certain locations it may be necessary to use rain-water for domestic purposes owing to the inadequacy of other water supply. Practical methods were developed for chlorinating, hardening, and filtering rain-water in order to counteract its corrosive effect on metals, as well as its unpalatability and possible harmful effect on health.

SECTION VII

PERSONNEL ADMINISTRATION

THE loyalty and efficiency of a well-trained staff are essential to the Commission in carrying out its responsibilities. In 1953, the staff demonstrated these attributes to a marked degree. The Commission, in turn, through its personnel policy and its relations with the employees' collective organizations, sought, as in the past, to maintain employment conditions at a high standard, whether from the point of view of the employer or the employee.

The continued expansion of the Commission's operations, to which reference is made throughout the Report, required an increase in total regular staff from 11,907 to 12,362, the increase in large part representing operators, tradesmen, and clerical workers to provide additional services. While aware of the necessity to provide adequate staff to meet the demands of increasing business, the Commission sought to avoid increases in the cost of expanding and improving these services by the introduction of mechanical methods and labour-saving devices designed for this purpose.



DEDICATION OF MEMORIAL PLAQUES

On Armistice Day, 1953, two memorial plaques bearing the names of Commission employees who gave their lives in the First and Second World Wars were unveiled at the Commission's Head Office in Toronto by Hon. Leslie M. Frost, Prime Minister of Ontario.

The total staff, both regular and temporary, numbered 19,406 at the end of 1953, an increase of 712 over the total at the end of 1952, and contractors reported at the end of the year 4,466 engaged on main Commission projects, principally on construction at Sir Adam Beck-Niagara Generating Station No. 2 and in frequency standardization.

Collective Bargaining

Four organizations bargaining on behalf of their respective groups of employees signed agreements with the Commission in 1953. They were the Employees' Association, the Federation of Employee-Professional Engineers, the Ontario Hydro Construction Allied Council, and the International Union of Operating Engineers, the last two being affiliated with the American Federation of Labour.

Of particular interest was the signing on October 9 of the agreement under which the Ontario Hydro Construction Allied Council became the representative of almost 9,000 construction workers engaged on Commission undertakings throughout the Province. Formerly there were two agreements with construction workers. One had been signed in 1951 with the Niagara Development Allied Council A.F. of L. which brought together seventeen international craft unions covering all trades on the Niagara project. The second agreement had been signed in 1952 with the same representatives of the same unions acting on behalf of construction employees working elsewhere as part of the field force of the Commission. Under the latter agreement the Ontario Hydro Construction Allied Council, representing a large group of Commission employees, became their bargaining agent on a province-wide basis. This arrangement has the special advantages that it facilitates movement of Commission staff and establishes uniformity of wage patterns and working conditions throughout the area of the Commission's operations. The agreement signed with the Ontario Hydro Construction Allied Council in 1953, by combining the two previous agreements, not only retains their inherent advantages, but has the added advantage of bringing under one contract all construction workers engaged on the Commission's capital construction program, the Council being free to negotiate separately regarding those larger Commission undertakings that may be designated as special projects.

The agreement signed on July 16 with the Employees' Association related to 10,200 operating, maintenance, clerical, and technical employees, and that signed on September 4 with the Federation of Employee-Professional Engineers related to approximately 900 professional engineers.

With the fourth major labour organization, the International Union of Operating Engineers, the final stages had been reached at the end of the year in the preparation of three separate agreements with local unions.

Four applications for union certification by groups of Commission employees were made to the Ontario Labour Relations Board during the year but all were dismissed. In rejecting the application of the International Brotherhood of Electrical Workers to represent operating and maintenance employees in the Niagara Region, the Board upheld the Commission's stand that the bargaining unit should be system-wide since a division of the system among different bargaining agents would create problems for the Commission, the employee, and the public.

Manpower Planning and Development

The Commission's manpower planning and development program, initiated in 1952, was developed and extended during 1953. The program was directed chiefly towards supervisory and executive levels with a view to making the most effective use of manpower resources at these levels. It involves four stages—the first two, organization analysis and manpower appraisal, forming the basis upon which the second two stages, the actual manpower planning and development, are established.

Good progress was achieved in the first two stages of the program which provide the basic information necessary so that the continuously changing needs of the organization can be met by persons adequately trained. These persons must achieve the required training through job rotation and instruction given during the normal performance of duties. As a supplement to the program in 1953, the common needs of certain groups were met during the year by special courses directed either towards supervisory development or trade training.

As a medium for supervisory development, courses on human relations were given in the Eastern, Northwestern, East Central, and Toronto Regions, and short courses in how to conduct group discussion were given to supervisors in the Operations, Construction, and Engineering Divisions in particular. A number of journeymen and sub-foremen with supervisory ability were given courses in instructional techniques at the Commission's Training Centre.

In the area of trade training, 410 linemen and foresters attended the Training Centre for advancement in their respective trades, and 116 young operators-in-training took the Commission's correspondence course in preparation for their work in the operation of generating and transformer stations. A more advanced program of training involved 425 operators of various classifications, while 88 employees took advantage of correspondence courses in a wide variety of subjects offered at reduced cost to Commission employees by various schools and institutions.

Another avenue of employee development was provided by the establishment of a Central Apprenticeship Committee and the devising of a plan to provide financial assistance to qualified apprentices attending trade schools. The Commission, recognizing the need for a sound apprenticeship program, has thus taken steps to encourage young men to take advantage of this type of training.

During the past year the Commission re-established a program of training for junior engineers. The forty engineering graduates who joined the staff during 1953 commenced a two-year program of job rotation, which includes training on various aspects of business administration. The program was designed to give each junior engineer some understanding of the Commission's operations as a whole and to ensure his ultimate placement in a position satisfactory to himself and the Commission.

Medical

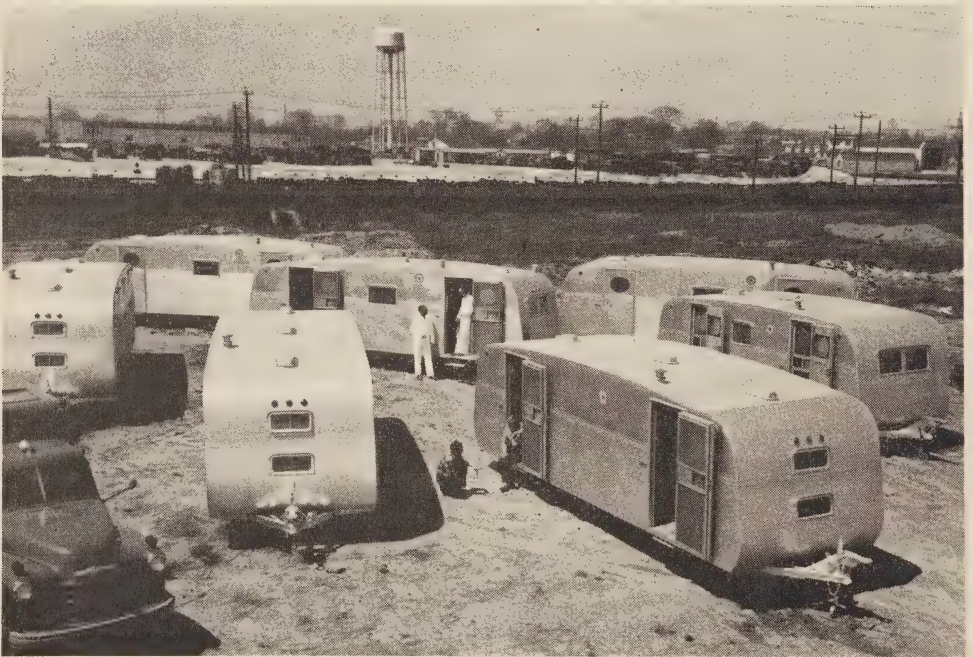
The occupational hazards of the electrical industry place a more than ordinary importance upon the maintenance of physical and mental health of the staff. Recognizing its interest and responsibility in conserving manpower

resources as its most valuable asset, the Commission directed its program of medical activity both to the careful selection and allocation of personnel and to the maintenance of their health and continued effective service. The application of these principles contributes to the prevention of accidents; it makes easier the rehabilitation of those whose physical or emotional health may have been impaired. At the same time, through the continued study of industrial hazards from the medical point of view, the Commission has sought to minimize the effect of exposure to them.

Over 2,300 physical examinations were given. The large majority of these were pre-employment examinations. Nearly 400, however, were initial or follow-up checks on the health of regular employees as an important measure of their ability to carry or to increase their responsibilities without undue strain.

In December, the Commission completed a very satisfactory first year of operation under the extended medical and hospital benefit program, under which the Commission and the employee share the cost. The slight rise in cost of sick leave over the record low of 1952 could be largely attributed to the increased incidence of upper respiratory infection.

The hospital at Sir Adam Beck-Niagara Generating Station No. 2 admitted 967 patients and provided out-patient treatment on nearly 12,000 visits by employees of the Commission and its contractors. First-aid stations on the project treated 4,018 accident cases and 1,154 patients with various ailments. The operation of these medical facilities has been a major factor in keeping to a minimum lost time attributable to sickness or accident.



MOBILE TRAILER CAMP

This seven-trailer unit, equipped for housing and feeding 28 men, provides an alternative to the erection of temporary construction camps.

Safety and Accident Prevention

In order to achieve and maintain the widest possible co-operation in the prevention of accidents, the program of conference-type discussion on safety was continued in the Construction Division and in the Regions. Discussion methods were considered to be more effective than instruction alone in promoting safety because they are more likely to result in an observance of approved procedures based on understanding. Explicit training in the handling of mechanical and electrical equipment, and the periodic supervision of techniques are thus supplemented by discussions directed towards inducing in every individual a sense of responsibility in the prevention of accidents.

Various types of equipment were subjected to test to ascertain their value as safety devices.

The records of the Commission's accident experience, which prior to 1952 were maintained with relation to allowances for compensation, are now compiled in accordance with standard methods approved by the National Safety Council and the International Association of Industrial Accident Boards and Commissions. In comparison with 1952, a reduction both in frequency and severity of accidents to Commission employees was achieved in 1953. Of four fatal accidents involving members of the Commission's staff, two were of electrical origin. Six persons were successfully resuscitated, four of them being victims of accidents of electrical origin.

Employees have been instructed in both the Schaefer and the Holger-Neilsen methods of artificial respiration. The first has been successfully used in the Commission for 35 years; the second, widely used in Europe, has been more generally accepted in the last ten years. The Holger-Neilsen method makes inspiration an active rather than a passive operation on the part of the patient. It therefore circulates almost twice as much air to the lungs as the Schaefer method.



TRAILER CAMP EN ROUTE

The mobility of a trailer camp makes it particularly adaptable for work on transmission lines. Shown during a trial run, this camp was used during 1953 for transmission-line work in isolated parts of the Province.

Awards of the Canadian Electrical Association medal were made to D. F. Tupling, to the line crews of the Listowel and Mitchell areas, and to the electrical maintenance shop staff at Toronto-Bridgman Transformer Station. Jules Molliet received the National Safety Council President's medal. These awards were made in recognition of service in the rescue and resuscitation of fellow employees. The National Safety Council President's medal was presented also to Mrs. H. G. Hoff of Abitibi Canyon for her rescue of her two-year-old son from the Abitibi River. Certificates of the Council were awarded to the wives of two other Hydro employees for their part in assisting Mrs. Hoff.

SECTION VIII

MUNICIPAL ELECTRICAL SERVICE

SERVICE at retail was provided in 1953 by 332 municipal electrical utilities and by 33 local systems owned and operated by the Commission. The first part of this section relates to this retail activity as a whole. That part which is entitled "Municipal Electrical Accounts" is limited to the utilities in municipalities designated as Group 1 on page 32.

The statements of operations and the balance sheets showing the financial status of these utilities at December 31, 1953 are prepared from their books of account which are kept in accordance with an accounting system designed by the Commission and accepted as a standard for utilities in all municipalities that have contracted with the Commission for a supply of power.

These books of account are periodically inspected, and from time to time improvements in office routine are recommended with a view to standardizing methods employed. In many of the smaller municipalities much of the accounting for the utilities is undertaken by the municipal accountants of the Commission. Supervision of this kind ensures the correct application of the standard accounting system and the uniform classification of revenues and expenditures, but does not constitute an audit of the accounts.

The utilities maintain their own accounts with their respective municipalities for such services as street lighting, waterworks, and public transportation. In conformity with the Commission's policy of service at cost, rates have been established at levels calculated to provide revenue sufficient to cover these services. Where there has been a surplus of revenue in these accounts for municipal services, it has been returned in the form of cash or credit to the municipality. The municipality is, on the other hand, required to liquidate any deficit that may accrue.

The tables which follow show for municipal utilities and local systems the trend over the past fifteen years in number of customers served, in energy consumption both total and average per customer, and in revenue both total and average per kilowatt-hour. In 1953 a total of 1,017,706 customers were served at retail through the utilities and local systems. There were increases over 1952 in the number of customers for all classes of service and increases in average consumption per customer for both domestic and commercial light service. Because of the wide disparity in the energy requirements of power service customers, the average consumption per customer has little significance. The growth in total consumption by these three classes of customer, taken in conjunction with increases in retail rates, brought about an increase in the revenue from \$87,717,262 in 1952 to \$106,733,746 in 1953.

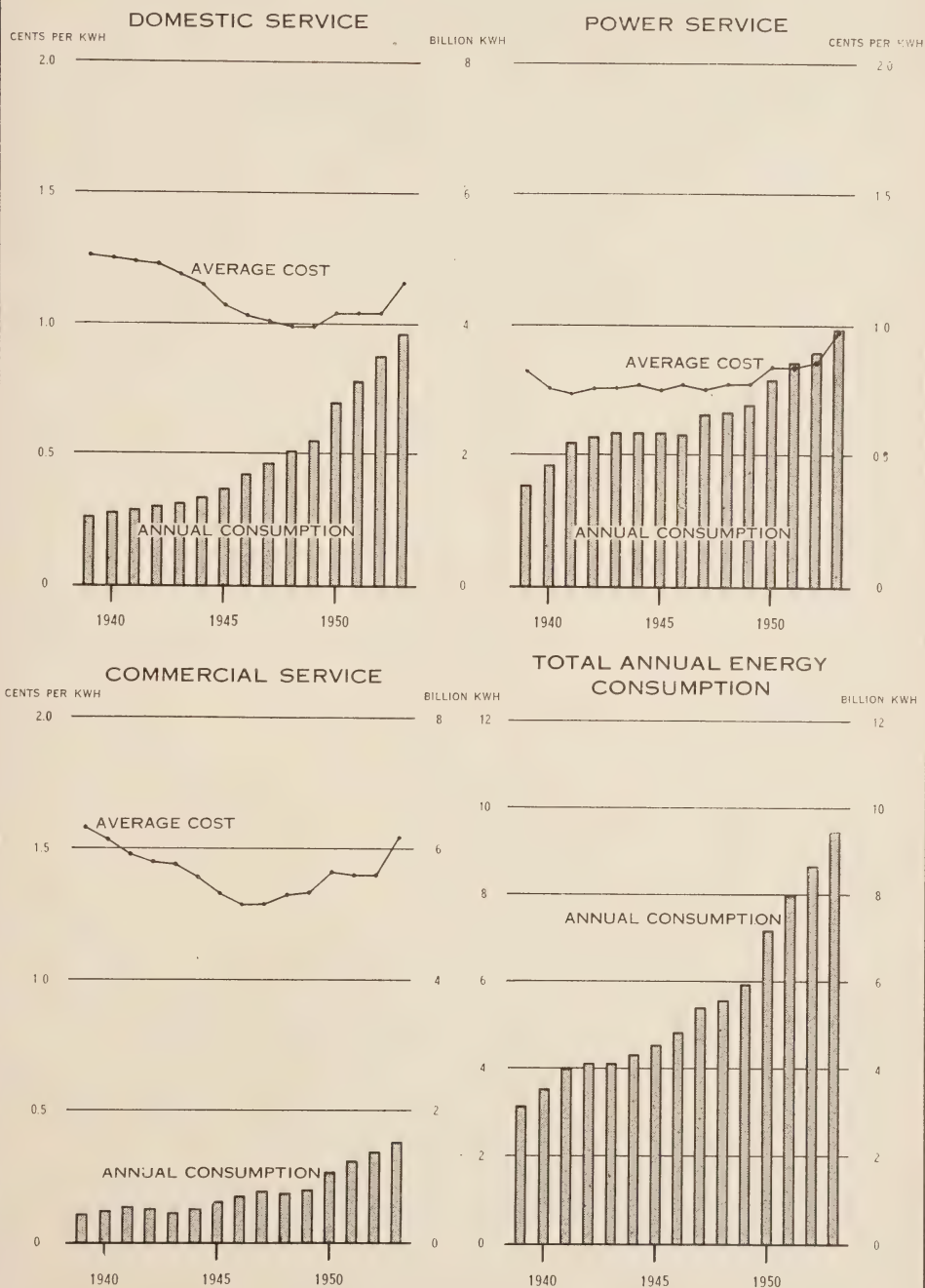
All three classes of service purchased more energy in 1953 than in 1952, commercial light service being up by 10.0 per cent, domestic service by 9.6 per cent, and power service by 9.1 per cent.

CONSUMPTION AND AVERAGE COST IN MUNICIPALITIES, GROUPS 1, 2, and 3
1939 to 1953

Service	Year	Total annual revenue	Total annual energy consumption	Customers	Monthly consump- tion per customer	Average cost per kwh
		\$	kwh	No.	kwh	cents
Domestic service.....	1939	13,300,898	1,056,310,109	518,123	170	1.259
	1940	13,905,290	1,115,888,837	531,514	175	1.246
	1941	14,452,796	1,169,273,964	546,613	178	1.236
	1942	15,022,931	1,224,195,712	559,605	182	1.227
	1943	15,069,547	1,266,930,625	570,470	185	1.189
	1944	15,528,445	1,348,099,019	579,890	194	1.152
	1945	16,053,818	1,494,258,124	608,905	205	1.074
	1946	17,526,854	1,704,125,246	628,118	226	1.028
	1947	18,937,674	1,870,974,898	648,282	240	1.012
	1948	20,295,932	2,032,922,876	671,914	252	0.998
	1949	21,947,915	2,224,473,480	706,294	262	0.987
	1950	29,064,176	2,805,149,825	767,286	304	1.036
	1951	32,905,664	3,165,537,195	800,033	330	1.039
	1952	36,811,115	3,526,507,079	836,802	351	1.044
	1953	44,647,668	3,863,977,405	877,323	367	1.155
Commercial light service.....	1939	7,256,262	459,635,100	78,949	485	1.579
	1940	7,785,024	508,986,422	79,512	533	1.530
	1941	7,991,091	540,995,581	79,824	565	1.477
	1942	7,695,928	531,680,336	77,326	573	1.447
	1943	6,787,241	472,129,977	76,194	516	1.438
	1944	7,298,848	524,905,356	78,256	559	1.391
	1945	8,429,573	634,878,480	84,413	627	1.328
	1946	9,364,009	725,475,237	89,109	679	1.291
	1947	10,277,574	797,642,711	91,926	723	1.288
	1948	10,182,051	769,650,340	95,239	673	1.323
	1949	10,890,639	819,475,244	98,682	692	1.329
	1950	15,231,494	1,080,316,296	107,817	832	1.410
	1951	17,549,402	1,254,339,597	111,154	940	1.399
	1952	19,502,920	1,394,152,087	115,304	1,008	1.399
	1953	23,603,194	1,532,910,239	119,498	1,069	1.540
Power service.....	1939	12,838,334	1,563,479,555	13,248	....	0.821
	1940	14,298,503	1,860,661,038	13,492	....	0.768
	1941	16,470,516	2,208,708,737	13,685	....	0.746
	1942	17,501,866	2,293,797,547	13,721	....	0.763
	1943	17,757,984	2,334,067,598	13,837	....	0.761
	1944	18,375,443	2,374,869,860	13,860	....	0.774
	1945	17,770,481	2,346,870,889	14,726	....	0.757
	1946	17,981,265	2,329,774,691	15,529	....	0.772
	1947	19,989,875	2,652,001,321	16,325	....	0.754
	1948	20,742,344	2,687,513,708	16,886	....	0.772
	1949	21,814,062	2,806,244,668	17,594	....	0.777
	1950	26,966,954	3,193,783,939	18,788	....	0.844
	1951	29,353,071	3,459,742,798	19,370	....	0.848
	1952	31,403,227	3,619,518,306	20,055	....	0.868
	1953	38,482,884	3,947,176,931	20,885	....	0.975

MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

ANNUAL ENERGY CONSUMPTION AND AVERAGE COST PER KILOWATT-HOUR



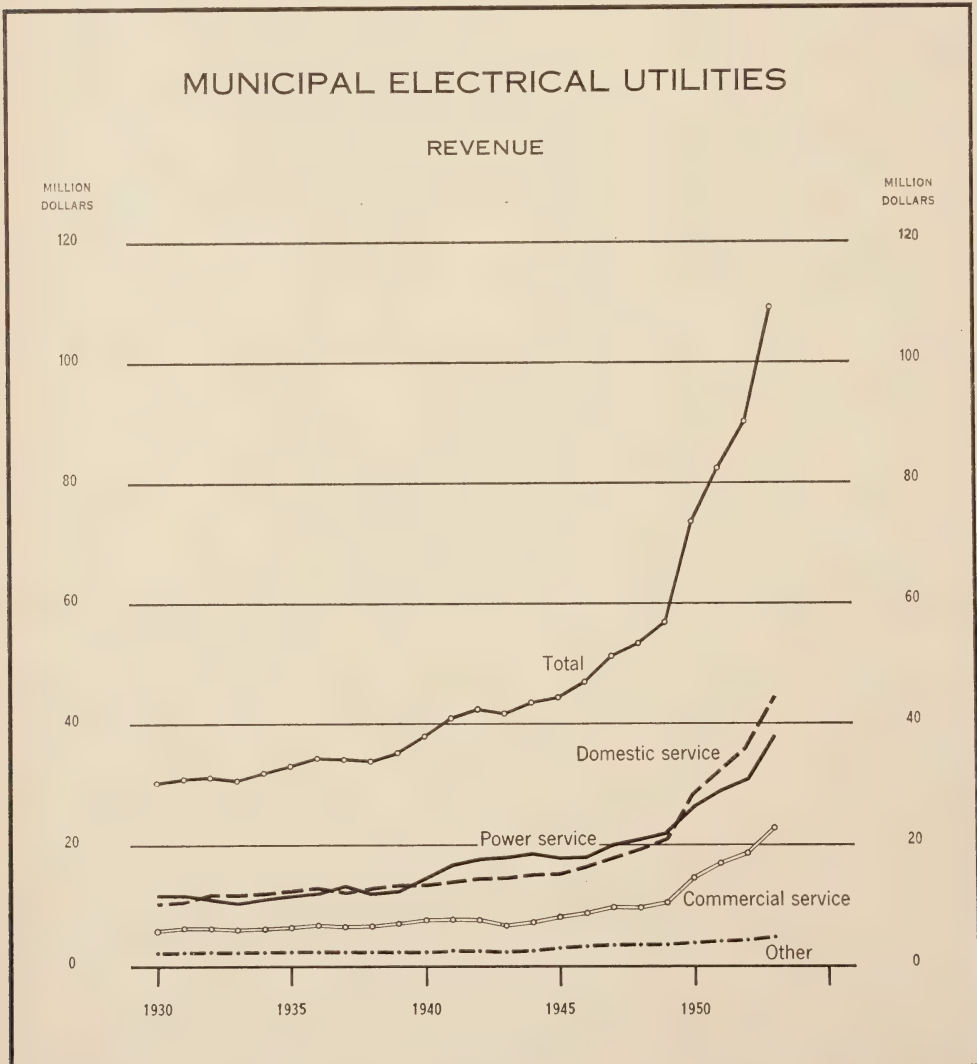
MUNICIPAL ELECTRICAL ACCOUNTS
Operating Statements

Total revenue in the municipal electrical utilities for 1953 was higher than in 1952 by about 21 per cent and stood at \$109,254,321 as compared with \$90,059,039. Operating costs and fixed charges rose in approximately the same proportion from \$80,816,230 to \$97,361,655, leaving a net surplus of \$11,892,666. This exceeded the 1952 surplus of \$9,242,809 by \$2,649,857, or 29 per cent.

The net surplus in 1953 resulted from a surplus of revenue over expense amounting to \$11,912,756 in 327 utilities which were able to meet in full all operating expenses, interest, and debt retirement instalments and standard depreciation, and an offsetting deficit in 5 utilities amounting to \$20,090.

Sales Revenue and Expense

Of the total increase in expenses of the utilities, over four-fifths was for the cost of power purchased. This cost was 25 per cent greater than in 1952



and represented a somewhat larger part of total expense. Interest charges were 29 per cent higher than in 1952, reflecting the recent increases in debenture debt required to finance the extensive program of municipal system improvement and expansion. Increases in maintenance, operation, and administration expense, which are related to the substantial increases in plant assets, amounted to 8 per cent. There was also a 13 per cent increase in sinking fund payments and a 10 per cent increase in depreciation allowance.

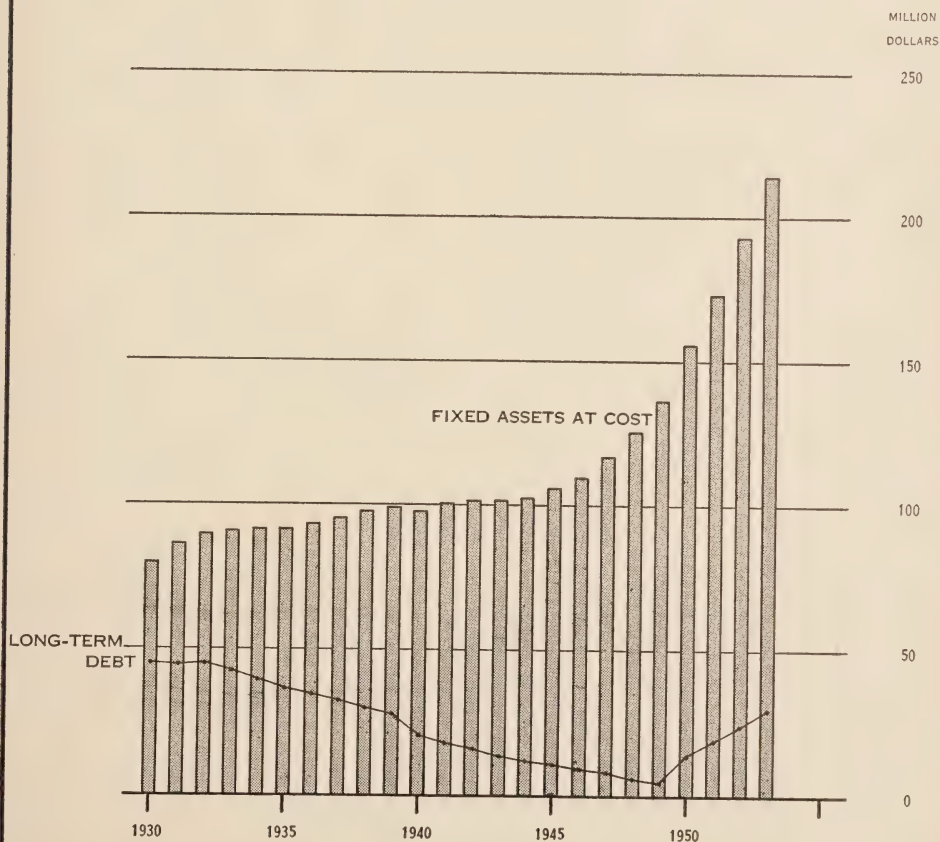
Balance Sheets

Assets

The gross investment in fixed assets of the utilities at December 31, 1953 amounted to \$214,595,383 against which there was an accumulated reserve for depreciation of \$54,282,571. Total net assets after deduction of this depreciation allowance amounted to \$336,613,672, of which \$140,068,857 represented the equity in the Commission's systems acquired by those utilities operating

MUNICIPAL ELECTRICAL UTILITIES

FIXED ASSETS AND LONG-TERM DEBT



under cost contracts with the Commission. This equity corresponds substantially with the sinking fund payments by municipalities of the Southern Ontario System and Northern Ontario Properties shown in the Commission's statements on pages 317 and 330. The total municipal equity shown differs, however, from that shown in the Commission's sinking fund statements since the latter includes the total annual sinking fund allowances to December 31, 1953. Owing to the early closing of their accounts, not all the municipal utilities are in a position to report sinking fund allowances as at the same date.

Liabilities

Total liabilities rose from \$36,297,274 at December 31, 1952 to \$42,994,940 at December 31, 1953, the major part of the increase being in the form of debenture debt which was increased by \$5,668,484 from \$24,159,239 at the end of 1952 to \$29,827,723 at the end of 1953. By comparison, the net increase in fixed assets during the year amounted to \$20,799,497. Thus the larger part of this increase in capital investment was provided out of reserves and surplus.

Description of Statements

Immediately following this section of the Report are four statistical tables, the first two dealing with financial aspects of the municipal electrical utilities and the others with rates, customers, revenue and consumption in the utilities and local systems. Statement "A" includes the individual balance sheets and Statement "B", the operating reports of 332 municipal electrical utilities. These include L'Orignal and Vankleek Hill, which were served under cost contract for the first time in 1953, and Kapuskasing, which was first served under a fixed-rate contract in 1953. A consolidation of each group of statements appears on pages 98 and 100 together with comparative summaries for each of the preceding seven years.

Statement "A"

The balance sheets of the utilities are given in alphabetical order under each of the Southern Ontario System and the Northern Ontario Properties. Plant values are given under the general headings specified in the standard accounting system. The asset designated as "Equity in H-E.P.C. systems" is acquired by the utilities through the payment of sinking fund as part of the cost of power and is shown in contra under "Reserves". "Surplus" includes both operating surplus and the amount of money applicable to the retirement of debenture debt, whether already used for that purpose or accumulated in a local sinking fund.

Statement "B"

The operating statements for the utilities are arranged in the same order as the balance sheets. They show itemized revenues and expenses, and the provision made for depreciation and other reserves. The number of customers served in each of three classes is also shown. The item "Power purchased" in this statement is the net amount paid by the utility after adjustments have been made by the Commission, taking into consideration the difference between the interim rate charged and the actual cost of the power supplied to the municipality. (See Cost of Power Statement.) Owing to the closing of their books before the actual cost of power is available, the utilities for the most part apply the adjustments of the previous year in the cost of power purchased.

Statements "C" and "D"

The rates for domestic, commercial, power, and flat-rate water-heater service are given in Statement "C" for all municipal utilities and local systems. Statement "C" formerly included the cost on a kilowatt basis for the supply of power to each cost-contract municipality, but this is now given in Appendix II as part of the Cost of Power Statement. Statement "D" gives revenue, number of customers, and energy consumption for domestic and for commercial service. For power service it gives revenue, number of customers, and average of the monthly loads billed. Like Statement "C", it includes both municipal utilities and local systems. These are listed alphabetically in three tabulations according to the populations of the municipalities with which they are associated. Population figures are based on assessed population as given in the Municipal Directory for 1953 published by the Department of Municipal Affairs of Ontario.

CONSOLIDATED

Year.....	1946	1947	1948
Number of municipalities included.....	304	304	308
ASSETS	\$	\$	\$
Lands and buildings.....	11,830,325.45	12,220,747.92	12,981,533.46
Substation equipment.....	26,778,943.63	28,430,102.81	29,626,621.36
Distribution system, overhead.....	27,810,938.64	29,230,801.09	31,541,077.08
Distribution system, underground.....	6,848,694.50	7,400,874.88	8,040,205.01
Line transformers.....	14,247,872.95	15,698,549.76	17,593,431.84
Meters.....	12,325,105.86	13,112,187.77	13,948,013.24
Street light equipment, regular.....	3,268,433.46	3,827,634.40	4,486,158.98
Street light equipment, ornamental.....	1,555,698.39	1,536,957.94	1,558,798.17
Miscellaneous construction expense.....	3,802,802.98	4,242,837.80	4,290,247.58
Steam or hydraulic plant.....	1,080,730.83	1,080,976.81	1,457,291.81
Old plant.....	658,421.95	587,479.45	573,313.04
Other capital assets.....			
Total plant.....	110,207,968.64	117,369,150.63	126,096,691.57
Less reserve for depreciation.....	38,253,203.71	40,146,511.52	41,962,273.09
	71,954,764.93	77,222,639.11	84,134,418.48
Bank and cash balance.....	3,584,075.84	2,759,333.88	3,480,104.26
Securities and investments.....	27,152,189.81	27,721,988.41	26,691,542.33
Accounts receivable.....	4,133,184.23	4,381,276.48	3,987,098.82
Inventories.....	2,193,231.80	3,140,379.57	3,814,953.93
Sinking fund on local debentures.....	4,609,214.16	4,387,586.13	1,795,295.61
Other assets.....	326,083.52	543,728.14	541,982.60
Frequency standardization expenditure in suspense.....			
	113,952,744.29	120,156,931.72	124,445,396.03
Equity in H-E.P.C. systems.....	80,670,336.85	86,574,096.81	92,889,067.86
Total.....	194,623,081.14	206,731,028.53	217,334,463.89
LIABILITIES			
Debenture balance.....	9,049,583.60	7,947,290.14	5,297,137.36
Accounts payable.....	2,267,268.71	3,028,306.12	3,813,817.24
Bank overdraft.....	355,417.71	613,465.91	839,973.70
Other liabilities.....	2,636,251.52	2,642,971.05	2,841,344.30
Total liabilities.....	14,308,521.54	14,232,033.22	12,792,272.60
RESERVES			
For equity in H-E.P.C. systems.....	80,670,336.85	86,574,096.81	92,889,067.86
Other reserves.....	7,356,359.46	5,788,442.87	4,545,757.39
	88,026,696.31	92,362,539.68	97,434,825.25
SURPLUS			
Debentures paid.....	48,935,858.04	50,208,313.28	53,457,629.91
Local sinking fund.....	4,609,214.16	4,387,586.13	1,795,295.61
Operating surplus.....	38,742,791.09	45,540,556.22	51,854,440.52
Net frequency standardization expense charged this year.....			
Total surplus.....	92,287,863.29	100,136,455.63	107,107,366.04
Total.....	194,623,081.14	206,731,028.53	217,334,463.89

BALANCE SHEETS

1949	1950	1951	1952	1953
315	321	324	327	332
\$	\$	\$	\$	\$
13,759,701.81	16,659,377.57	18,575,200.20	21,331,827.33	22,706,963.32
32,405,939.81	36,684,736.84	41,489,688.84	44,818,917.42	48,121,739.89
34,325,936.81	39,435,443.26	43,521,167.44	48,936,112.16	55,442,089.15
8,663,874.53	9,880,526.08	10,554,818.60	11,985,221.93	13,274,963.44
19,267,220.87	22,639,038.94	25,596,437.39	29,683,581.03	34,262,322.67
15,050,359.45	16,857,378.24	18,239,365.71	19,850,925.86	21,699,619.07
4,847,993.56	5,271,825.19	5,927,660.80	6,772,165.42	7,616,470.28
1,564,378.72				
4,608,566.91	5,234,089.19	5,961,347.63	6,531,604.30	7,257,707.52
1,478,544.77	3,322,767.89	3,313,781.93	3,505,149.49	3,515,221.13
773,261.68	162,880.55	542,988.37	102,266.64	143,354.64
			278,114.00	554,931.51
136,745,778.92	156,148,063.75	173,722,456.91	193,795,885.58	214,595,382.62
43,893,598.38	46,310,558.56	48,087,416.88	50,985,328.59	54,282,571.38
92,852,180.54	109,837,505.19	125,635,040.03	142,810,556.99	160,312,811.24
2,654,186.08	2,807,734.27	3,276,778.98	4,667,729.07	4,884,136.41
24,109,961.67	19,706,944.56	16,291,592.69	11,542,720.01	10,716,658.76
4,878,682.68	6,922,076.43	7,727,032.69	7,386,627.75	10,298,699.00
4,229,137.22	5,114,209.37	7,514,369.31	8,901,402.81	7,527,843.57
569,497.99	592,491.22	613,435.37	388,409.83	410,806.10
1,089,348.62	917,535.55	787,656.78	795,718.70	813,036.10
155,744.87	767,592.91	848,580.09	1,093,950.06	1,580,824.00
130,538,739.67	146,666,089.50	162,694,485.94	176,687,115.22	196,544,815.18
100,051,662.98	108,475,000.19	118,269,170.96	128,655,935.37	140,068,856.95
230,590,402.65	255,141,089.69	280,963,656.90	305,343,050.59	336,613,672.13
4,545,744.63	14,069,133.05	18,889,520.06	24,159,238.87	29,827,723.36
5,666,357.71	5,906,614.43	7,653,317.92	8,918,225.06	9,503,994.65
943,682.84	1,470,416.79	2,085,158.47	1,456,977.43	1,439,040.43
2,984,132.94	1,489,028.47	1,612,914.06	1,762,832.81	2,224,181.11
14,139,918.12	22,935,192.74	30,240,910.51	36,297,274.17	42,994,939.55
100,051,662.98	108,475,000.19	118,269,170.96	128,655,935.37	140,068,856.95
4,673,978.72	4,314,186.14	5,628,316.81	8,008,751.79	8,153,000.71
104,725,641.70	112,789,186.33	123,897,487.77	136,664,687.16	148,221,857.66
55,525,205.90	56,534,877.64	59,434,311.73	60,260,350.13	61,417,714.38
569,497.99	592,491.22	613,435.37	388,409.83	410,806.10
55,638,367.30	62,522,124.72	67,511,314.72	72,374,287.61	83,934,775.30
8,228.36	232,782.96	733,803.20	641,958.31	366,420.86
111,724,842.83	119,416,710.62	126,825,258.62	132,381,089.26	145,396,874.92
230,590,402.65	255,141,089.69	280,963,656.90	305,343,050.59	336,613,672.13

CONSOLIDATED

Year.....	1946	1947	1948
Number of municipalities included.....	304	304	308
EARNINGS	\$	\$	\$
Domestic service.....	16,852,308.83	18,172,574.54	19,506,499.27
Commercial light service.....	8,979,037.16	9,819,043.11	9,766,500.29
Commercial power service.....	15,707,154.73	17,613,525.22	18,235,664.95
Municipal power.....	2,161,079.81	2,216,812.71	2,343,112.69
Street lighting.....	1,975,024.68	2,057,215.86	2,153,034.35
Merchandise.....	179,252.65	233,117.94	221,544.94
Miscellaneous.....	1,210,440.76	1,267,485.38	1,268,351.70
Total earnings.....	47,064,298.62	51,379,774.76	53,494,708.19
EXPENSES			
Power purchased.....	29,131,997.88	31,760,128.32	32,432,823.73
Substation operation.....	753,931.65	855,965.41	1,019,515.46
Substation maintenance.....	444,276.75	475,837.06	595,059.49
Distribution system, operation and maintenance.....	1,404,441.08	1,628,081.77	1,967,371.30
Line transformer maintenance.....	168,429.61	219,164.00	249,212.31
Meter maintenance.....	528,810.47	607,758.38	699,593.39
Consumers' premises expenses.....	699,773.37	822,675.89	1,005,146.07
Street lighting, operation and maintenance.....	493,443.23	547,556.40	602,995.88
Promotion of business.....	183,606.79	231,488.57	343,395.13
Billing and collecting.....	1,428,246.45	1,643,780.22	1,872,644.99
General office, salaries and expenses.....	1,319,972.30	1,521,688.93	1,814,028.57
Undistributed expense.....	831,176.06	840,075.97	803,047.22
Truck operation and maintenance.....	147,458.42	202,997.29	243,560.50
Interest.....	525,588.16	423,041.93	339,213.78
Sinking fund and principal payments on debentures.....	1,239,108.29	992,793.11	903,443.37
Depreciation.....	2,824,871.68	3,002,877.86	3,278,262.63
Other reserves.....	1,503,255.70	1,478,990.80	1,051,522.24
Total operating costs and fixed charges.....	43,628,387.89	47,254,901.91	49,220,836.06
Net surplus.....	3,435,910.73	4,124,872.85	4,273,872.13
NUMBER OF CUSTOMERS			
Domestic service.....	606,046	625,705	649,220
Commercial light service.....	85,400	87,937	91,382
Power service.....	15,115	15,867	16,439
Total.....	706,561	729,509	757,041

OPERATING REPORTS

1949	1950	1951	1952	1953
315	321	324	327	332
\$	\$	\$	\$	\$
21,137,834.75	28,066,402.91	31,977,317.76	35,719,556.00	43,344,584.75
10,444,393.84	14,690,733.78	17,033,595.94	18,883,646.21	22,810,062.53
19,178,070.91	23,873,159.20	26,172,943.55	27,969,600.46	34,353,328.93
2,475,539.80	2,907,974.03	3,011,056.35	3,120,077.38	3,807,113.85
2,219,551.02	2,552,755.74	2,769,300.03	3,051,561.67	3,681,919.79
216,734.17	216,549.51	100,096.18	95,209.20	106,439.08
1,231,076.24	1,215,956.41	1,247,371.11	1,219,388.54	1,150,872.57
56,903,200.73	73,523,531.58	82,311,680.92	90,059,039.46	109,254,321.50
36,225,068.75	46,400,040.72	50,854,323.41	55,583,500.98	69,750,629.67
1,126,138.22	1,441,553.66	1,648,120.74	1,812,532.71	1,965,232.59
626,041.76	679,136.10	758,392.52	867,073.89	981,867.28
2,110,892.72	2,682,034.57	3,070,534.44	3,422,084.98	3,664,900.97
279,383.13	335,739.15	423,156.46	523,767.55	618,888.59
751,382.32	762,974.01	849,951.63	973,728.31	1,104,514.16
1,061,668.85	1,243,611.94	1,430,859.05	1,546,966.93	1,533,655.23
688,584.31	705,830.91	755,502.07	845,581.99	902,681.79
282,618.04	277,190.88	319,888.95	331,117.86	371,878.60
2,077,074.94	2,382,607.11	2,776,376.16	3,088,533.47	3,361,825.39
1,961,727.80	2,162,662.43	2,487,764.68	2,893,011.38	3,192,357.30
833,337.54	1,331,333.41	1,699,441.87	1,333,142.85	1,310,174.19
269,151.54	302,310.53	240,376.40	249,081.16	222,900.25
305,084.60	497,138.36	675,630.04	989,788.76	1,276,681.71
842,182.95	980,917.96	849,300.82	991,597.62	1,123,786.30
3,631,483.76	4,076,473.95	4,717,496.55	5,293,508.78	5,832,594.43
634,690.02	1,769,378.03	87,225.06	71,211.41	147,082.99
53,706,511.25	68,030,933.72	73,644,340.85	80,816,230.63	97,361,655.44
3,196,689.48	5,492,597.86	8,667,340.07	9,242,808.83	11,892,666.06
684,417	745,422	778,517	811,233	850,904
94,881	104,122	107,416	111,169	114,855
17,184	18,372	18,947	19,573	20,385
796,482	867,916	904,880	941,975	986,144

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM

Municipality.....	Acton	Agincourt	Ailsa Craig	Alexandria	Alliston
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....	12,732.49			64,347.75	
Substation equipment.....	1,958.36				4,583.94
Distribution system, overhead....	55,792.54	26,900.89	13,382.04	49,787.51	51,340.81
Distribution system, underground.					
Line transformers.....	35,558.22	22,415.87	7,274.94	32,567.66	25,259.67
Meters.....	21,725.47	10,640.77	5,049.75	16,659.78	20,796.69
Street light equipment, regular....	9,190.44	6,008.02	535.35	4,475.26	6,300.55
Miscellaneous construction expense	3,164.77	23.30	30.02	3,323.37	1,753.56
Steam or hydraulic plant.....					
Old plant.....					7,846.49
Other capital assets.....					
Total plant.....	140,122.29	65,988.85	26,272.10	171,161.33	117,881.71
Less reserve for depreciation.....	18,332.27	8,635.23	2,202.27	31,138.44	19,697.36
	121,790.02	57,353.62	24,069.83	140,022.89	98,184.35
Bank and cash balance.....	100.09	1,999.17	1,541.32	5,783.68	3,504.56
Securities and investments.....	2,000.00	2,500.00	2,500.00	13,000.00	22,000.00
Accounts receivable.....	3,386.73	2,112.83	829.00	4,297.20	1,998.03
Inventories.....	1,645.49			6,497.32	6,051.97
Sinking fund on local debentures..					
Other assets.....	114.78				6,063.97
Frequency standardization expenditure in suspense.....	611.47				
	129,648.58	63,965.62	28,940.15	169,601.09	137,802.88
Equity in H-E.P.C. systems.....	194,900.91	33,162.53	33,687.86	69,217.12	64,417.74
Total.....	324,549.49	97,128.15	62,628.01	238,818.21	202,220.62
LIABILITIES					
Debenture balance.....				14,727.93	
Accounts payable.....	148.20	228.56	4,570.34	10,689.91	0.45
Bank overdraft.....	2,430.89				
Other liabilities.....	2,617.77	1,625.00	110.00	2,373.10	1,822.46
Total liabilities.....	5,196.86	1,853.56	4,680.34	27,790.94	1,822.91
RESERVES					
For equity in H-E.P.C. systems....	194,900.91	33,162.53	33,687.86	69,217.12	64,417.74
Other reserves.....		67.23			100.00
	194,900.91	33,229.76	33,687.86	69,217.12	64,517.74
SURPLUS					
Debentures paid.....	14,500.00	8,072.65	6,883.38	39,571.30	37,736.04
Local sinking fund.....					
Operating surplus.....	109,951.72	53,972.18	17,376.43	102,238.85	98,143.93
Net frequency standardization expense charged this year.....					
Total surplus.....	124,451.72	62,044.83	24,259.81	141,810.15	135,879.97
Total.....	324,549.49	97,128.15	62,628.01	238,818.21	202,220.62

Utilities as at December 31, 1953

Almonte	Alvinston	Amherstburg	Ancaster Twp.	Apple Hill	Arkona	Arnprior
\$	\$	\$	\$	\$	\$	\$
11,276.44	1,926.04		354.71	169.06		8,241.00
24,831.90						
49,536.79	26,952.27	79,215.53	84,777.94	8,101.95	13,028.88	83,997.22
		688.03				
28,897.48	6,277.89	58,489.87	34,754.28	2,887.91	7,240.26	47,673.07
18,158.96	6,341.26	29,272.08	17,492.10	1,909.32	4,744.30	30,548.72
10,228.88	1,666.15	3,598.27	3,359.76	576.64	1,378.88	52,806.49
1,321.14	187.22	3,989.84	5,337.90	7.85	73.87	475.45
110,147.67						
3,848.25						
258,247.51	43,350.83	175,253.62	146,076.69	13,652.73	26,466.19	223,741.95
63,971.91	11,374.41	50,012.49	11,382.71	2,244.33	6,900.55	11,167.99
194,275.60	31,976.42	125,241.13	134,693.98	11,408.40	19,565.64	212,573.96
10,276.21	2,547.86	25.00		2,972.20	3,462.83	18,774.82
52,000.00	4,500.00	14,350.00		2,500.00	1,500.00	
3,611.48	329.42	4,386.16	745.10	171.17	86.30	1,073.95
7,092.87		11,092.42	70.20			10,118.29
		73.32	129.00			
		6,005.72	6.00			
267,256.16	39,353.70	161,173.75	135,644.28	17,051.77	24,614.77	242,541.02
13,598.16	33,660.23	149,292.75	49,930.32	7,611.98	16,154.45	61,482.18
280,854.32	73,013.93	310,466.50	185,574.60	24,663.75	40,769.22	304,023.20
5,684.83			34,707.16			25,000.00
2,878.54	224.00	16,345.12	25,189.60	30.28	696.61	13,858.62
		4,278.08	3,240.10			
799.30	61.00	1,261.12	388.32			3,913.73
9,362.67	285.00	21,884.32	63,525.18	30.28	696.61	42,772.35
13,598.16	33,660.23	149,292.75	49,930.32	7,611.98	16,154.45	61,482.18
1,740.27	59.50	78.94	125.40			2,237.75
15,338.43	33,719.73	149,371.69	50,055.72	7,611.98	16,154.45	63,719.93
66,315.17	23,529.24	32,053.60	19,403.12	5,080.12	13,112.83	55,469.13
189,838.05	15,479.96	117,684.65	52,590.58	11,941.37	10,805.33	142,061.79
		10,527.76				
256,153.22	39,009.20	139,210.49	71,993.70	17,021.49	23,918.16	197,530.92
280,854.32	73,013.93	310,466.50	185,574.60	24,663.75	40,769.22	304,023.20

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Arthur	Athens	Aurora	Aylmer	Ayr
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....			24,860.82	11,196.61	125.00
Substation equipment.....			1,711.20	5,125.60	
Distribution system, overhead....	27,222.83	20,464.91	61,614.32	57,337.47	16,336.43
Distribution system, underground.					
Line transformers.....	17,745.97	6,901.98	43,106.07	57,850.70	14,517.21
Meters.....	9,788.44	5,420.99	30,339.90	28,633.14	7,344.20
Street light equipment, regular....	2,666.14	3,907.13	14,316.03	13,141.56	1,189.78
Miscellaneous construction expense	1,123.85	872.51	11,340.90	5,579.30	100.71
Steam or hydraulic plant.....					
Old plant.....	1,086.62				
Other capital assets.....					
Total plant.....	59,633.85	37,567.52	187,289.24	178,864.38	39,613.33
Less reserve for depreciation.....	15,000.38	5,128.81	35,493.70	42,669.27	9,620.70
	44,633.47	32,438.71	151,795.54	136,195.11	29,992.63
Bank and cash balance.....	11,161.72	8,044.29	10,684.78	2,369.49	3,643.10
Securities and investments.....	4,000.00	19,000.00			14,000.00
Accounts receivable.....	136.49	1,894.97	1,097.51	2,816.85	3,539.25
Inventories.....			615.18	235.28	
Sinking fund on local debentures.					
Other assets.....				124.25	15.00
Frequency standardization expenditure in suspense.....					347.00
	59,931.68	61,377.97	164,193.01	141,740.98	51,536.98
Equity in H-E.P.C. systems.....	44,782.11	17,166.51	51,916.33	124,282.89	38,101.35
Total.....	104,713.79	78,544.48	216,109.34	266,023.87	89,638.33
LIABILITIES					
Debenture balance.....	922.68				
Accounts payable.....		984.18	8,816.21	932.89	2,260.96
Bank overdraft.....					
Other liabilities.....	447.80		1,747.41	1,824.66	69.64
Total liabilities.....	1,370.48	984.18	10,563.62	2,757.55	2,330.60
RESERVES					
For equity in H-E.P.C. systems....	44,782.11	17,166.51	51,916.33	124,282.89	38,101.35
Other reserves.....		206.06	51.80	181.60	
	44,782.11	17,372.57	51,968.13	124,464.49	38,101.35
SURPLUS					
Debentures paid.....	24,077.32	12,988.39		38,701.92	17,503.38
Local sinking fund.....					
Operating surplus.....	34,483.88	47,199.34	153,577.59	100,099.91	31,703.00
Net frequency standardization expense charged this year.....					
Total surplus.....	58,561.20	60,187.73	153,577.59	138,801.83	49,206.38
Total.....	104,713.79	78,544.48	216,109.34	266,023.87	89,638.33

Utilities as at December 31, 1953

Baden	Bancroft	Barrie	Barry's Bay	Bath	Beachville	Beamsville
\$	\$	\$	\$	\$	\$	\$
882.40		138,412.81			176.13	
		187,398.52				
15,986.83	24,493.95	175,886.95	18,911.20	14,102.90	35,136.25	31,053.25
		66,582.89				
8,116.10	12,759.90	135,445.29	9,991.82	5,974.00	11,539.73	19,831.43
6,434.49	9,039.13	112,220.39	5,493.66	2,964.38	6,456.57	12,817.55
830.96	2,559.40	18,632.17	1,625.32	1,412.17	1,011.10	5,316.77
314.80	775.75	500.00	167.85	24.00	800.31	
	108,417.83					
			2,500.00			
32,565.58	158,045.96	835,079.02	38,689.85	24,477.45	55,120.09	69,019.00
7,034.78	32,464.81	212,905.68	1,484.31	5,433.86	12,994.94	14,844.04
25,530.80	125,581.15	622,173.34	37,205.54	19,043.59	42,125.15	54,174.96
9,210.85	11,895.47		14,719.35	4,808.94		3,465.37
6,500.00					5,000.00	22,000.00
1,127.41	4,530.10	9,428.32	265.88	178.60	799.93	966.13
	2,200.03	14,973.75				
	309.00	143.54				1,260.00
4,856.93						317.00
47,225.99	144,515.75	646,718.95	52,190.77	24,031.13	47,925.08	82,183.46
76,081.08	2,368.31	429,220.03	1,358.21	6,840.40	101,605.85	29,314.11
123,307.07	146,884.06	1,075,938.98	53,548.98	30,871.53	149,530.93	111,497.57
	34,125.00		3,412.46			
16.11					4,850.54	13,569.71
		17,088.59			1,170.85	
	272.00	8,223.16	20.00	288.00		660.83
16.11	34,397.00	25,311.75	3,432.46	288.00	6,021.39	14,230.54
76,081.08	2,368.31	429,220.03	1,358.21	6,840.40	101,605.85	29,314.11
		500.00			25.92	
76,081.08	2,368.31	429,720.03	1,358.21	6,840.40	101,631.77	29,314.11
5,000.00	33,375.00	65,365.68	6,587.54	7,500.00	5,536.66	37,500.00
42,209.88	76,743.75	555,541.52	42,170.77	16,243.13	36,341.11	30,452.92
47,209.88	110,118.75	620,907.20	48,758.31	23,743.13	41,877.77	67,952.92
123,307.07	146,884.06	1,075,938.98	53,548.98	30,871.53	149,530.93	111,497.57

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Beaverton	Beeton	Belle River	Belleville
ASSETS	\$	\$	\$	\$
Lands and buildings	299.50		3,241.50	46,209.57
Substation equipment.....				213,440.65
Distribution system, overhead.....	33,941.91	21,659.52	37,270.67	282,371.86
Distribution system, underground.....				
Line transformers.....	18,218.35	6,431.19	13,794.90	118,694.17
Meters.....	10,572.17	5,085.13	10,200.45	133,923.04
Street light equipment, regular.....	3,692.85	3,817.30	3,600.37	57,063.85
Miscellaneous construction expense..	150.10	203.59	2,471.55	22,832.23
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	66,874.88	37,196.73	70,579.44	874,535.37
Less reserve for depreciation.....	15,821.86	5,748.85	16,970.85	153,175.49
	51,053.02	31,447.88	53,608.59	721,359.88
Bank and cash balance.....		2,990.33	3,614.14	14,196.77
Securities and investments.....		1,000.00	2,000.00	125,000.00
Accounts receivable.....	51.49	90.30	337.25	29,442.20
Inventories.....	23.58			32,232.97
Sinking fund on local debentures.....				
Other assets.....	700.00			
Frequency standardization expenditure in suspense.....			3,407.24	
	51,828.09	35,528.51	62,967.22	922,231.82
Equity in H-E.P.C. systems.....	48,023.17	34,007.53	30,261.50	555,150.36
Total.....	99,851.26	69,536.04	93,228.72	1,477,382.18
LIABILITIES				
Debenture balance.....			12,000.00	
Accounts payable.....	902.91	1,675.04	3,515.32	
Bank overdraft.....	25.20			
Other liabilities.....	445.46	175.00	540.00	23,088.99
Total liabilities.....	1,373.57	1,850.04	16,055.32	23,088.99
RESERVES				
For equity in H-E.P.C. systems.....	48,023.17	34,007.53	30,261.50	555,150.36
Other reserves.....	370.00	86.50	800.00	4,084.91
	48,393.17	34,094.03	31,061.50	559,235.27
SURPLUS				
Debentures paid.....	12,839.34	13,610.31	8,500.00	174,997.19
Local sinking fund.....				
Operating surplus.....	37,245.18	19,981.66	41,262.12	720,060.73
Net frequency standardization expense charged this year.....			3,650.22	
Total surplus.....	50,084.52	33,591.97	46,111.90	895,057.92
Total.....	99,851.26	69,536.04	93,228.72	1,477,382.18

Utilities as at December 31, 1953

Blenheim	Bloomfield	Blyth	Bobcaygeon	Bolton	Bothwell	Bowmanville
\$	\$	\$	\$	\$	\$	\$
14,874.79			740.00			62,225.01
1,264.64						155,138.04
76,908.05	12,823.32	18,360.35	37,437.95	23,242.76	15,595.57	118,571.69
46,758.86	4,000.95	12,365.39	15,188.76	18,349.16	9,823.45	36,572.85
26,531.00	5,351.07	5,964.56	13,608.84	8,925.95	5,772.08	40,688.29
9,349.49	3,437.51	1,579.68	7,785.65	1,173.76	4,764.50	20,373.55
72.27		337.92	846.18	14.92	41.91	6,767.96
			74,750.00			
175,759.10	26,212.85	38,607.90	150,357.38	51,706.55	35,997.51	440,337.39
24,426.19	12,459.57	6,328.27	42,921.78	8,876.36	9,976.83	103,353.76
151,332.91	13,753.28	32,279.63	107,435.60	42,830.19	26,020.68	336,983.63
25.00	5,731.31	1,043.97	7,222.06	1,028.04	2,302.35	6,379.66
	23,000.00	8,000.00	5,000.00		8,000.00	65,000.00
451.57	323.70	174.90	6,083.57	347.91	293.67	4,602.55
2,481.16			1,876.49	9.35		16,749.29
317.25		12.00		10.00		428.00
154,607.89	42,808.29	41,510.50	127,617.72	44,225.49	36,616.70	430,143.13
94,021.97	17,604.19	26,688.78	6,030.40	41,536.01	37,450.98	214,520.98
248,629.86	60,412.48	68,199.28	133,648.12	85,761.50	74,067.68	644,664.11
27,614.85			21,292.31			
204.06	1,259.79	172.24	2,131.15		2,603.64	413.57
264.57						
395.00	278.00	173.79	40.00	331.39	95.95	2,972.00
28,478.48	1,537.79	346.03	23,463.46	331.39	2,699.59	3,385.57
94,021.97	17,604.19	26,688.78	6,030.40	41,536.01	37,450.98	214,520.98
1,836.08				70.60		
95,858.05	17,604.19	26,688.78	6,030.40	41,606.61	37,450.98	214,520.98
16,385.15	9,796.58	16,032.52	68,707.69	12,500.00	5,534.19	71,000.00
107,908.18	31,473.92	27,405.56	35,446.57	31,323.50	28,382.92	355,757.56
		2,273.61				
124,293.33	41,270.50	41,164.47	104,154.26	43,823.50	33,917.11	426,757.56
248,629.86	60,412.48	68,199.28	133,648.12	85,761.50	74,067.68	644,664.11

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Bradford	Braeside	Brampton	Brantford
ASSETS	\$	\$	\$	\$
Lands and buildings.....	5,976.84		6,358.75	222,379.39
Substation equipment.....			118,915.63	414,057.57
Distribution system, overhead.....	56,484.07	9,239.41	140,820.26	619,843.61
Distribution system, underground.....				22,431.76
Line transformers.....	29,800.92	3,902.47	123,950.37	453,289.61
Meters.....	17,156.62	4,015.72	67,997.87	296,939.60
Street light equipment, regular.....	6,027.90	184.14	16,644.49	67,780.82
Miscellaneous construction expense..	4,380.73		3,937.25	66,217.85
Steam or hydraulic plant.....				6,000.00
Old plant.....				
Other capital assets.....				
Total plant.....	119,827.08	17,341.74	478,624.62	2,168,940.21
Less reserve for depreciation.....	15,803.78	431.96	105,752.59	597,110.85
	104,023.30	16,909.78	372,872.03	1,571,829.36
Bank and cash balance.....	17,010.49	1,760.30	2,712.36	3,492.49
Securities and investments.....	2,500.00		1,500.00	33,000.00
Accounts receivable.....	641.54	1,620.22	3,403.82	33,528.73
Inventories.....	7,687.86		11,974.24	80,096.62
Sinking fund on local debentures.....				
Other assets.....	128.00			18,970.87
Frequency standardization expenditure in suspense.....			445.74	32,448.19
	131,991.19	20,290.30	392,908.19	1,773,366.26
Equity in H-E.P.C. systems.....	48,328.26	5,132.17	422,768.48	2,361,019.01
Total.....	180,319.45	25,422.47	815,676.67	4,134,385.27
LIABILITIES				
Debenture balance.....		3,867.60		142,500.00
Accounts payable.....	49.33	1,316.15	36,799.17	18,923.24
Bank overdraft.....			4,477.40	63,802.64
Other liabilities.....	1,372.44	145.00	3,790.00	35,967.49
Total liabilities.....	1,421.77	5,328.75	45,066.57	261,193.37
RESERVES				
For equity in H-E.P.C. systems.....	48,328.26	5,132.17	422,768.48	2,361,019.01
Other reserves.....			592.39	6,625.90
	48,328.26	5,132.17	423,360.87	2,367,644.91
SURPLUS				
Debentures paid.....	23,351.06	2,132.40	69,050.64	537,500.00
Local sinking fund.....				
Operating surplus.....	107,218.36	12,829.15	278,198.59	968,046.99
Net frequency standardization expense charged this year.....				
Total surplus.....	130,569.42	14,961.55	347,249.23	1,505,546.99
Total.....	180,319.45	25,422.47	815,676.67	4,134,385.27

Utilities as at December 31, 1953

Brantford Twp.	Brechin	Bridgeport	Brigden	Brighton	Brockville	Bronte
\$	\$	\$	\$	\$	\$	\$
5,999.88			1,482.03	600.00	70,673.24	
96,195.55					113,307.44	
256,213.02	1,920.89	24,561.50	13,577.63	41,826.07	129,074.11	44,146.05
123,968.78	2,389.12	11,856.69	5,602.07	17,517.81	108,517.39	16,293.04
84,357.50	1,585.85	8,069.02	5,555.81	13,825.57	83,335.43	11,155.51
18,408.59	197.38	4,729.02	509.23	2,222.59	53,213.62	2,226.00
14,327.64		101.42	92.06	1,409.47	8,090.87	650.11
					74,651.36	
599,470.96	6,093.24	49,317.65	26,818.83	77,401.51	640,863.46	74,470.71
103,879.64	1,467.47	13,910.13	7,284.66	10,190.97	164,341.17	9,718.15
495,591.32	4,625.77	35,407.52	19,534.17	67,210.54	476,522.29	64,752.56
33,494.30	3,015.34	2,344.24	5,017.47	5,632.17	43,807.80	753.18
25,000.00	10,000.00		5,500.00	10,000.00	12,000.00	
2,529.92	36.80	668.10	127.76	424.48	17,570.64	1,045.22
17,348.41				4,410.60	6,729.43	3,443.25
539.72					2,664.28	610.11
2,235.00		339.52				
576,738.67	17,677.91	38,759.38	30,179.40	87,677.79	559,294.44	70,604.32
138,128.74	15,462.41	20,629.91	26,547.97	39,519.82	507,391.32	1,424.57
714,867.41	33,140.32	59,389.29	56,727.37	127,197.61	1,066,685.76	72,028.89
184,355.60						
1,047.05	6.22	660.63			1,945.30	20,207.06
3,316.61	55.00	325.00	65.00	1,162.39	8,308.19	560.95
188,719.26	61.22	985.63	65.00	1,162.39	10,253.49	20,768.01
138,128.74	15,462.41	20,629.91	26,547.97	39,519.82	507,391.32	1,424.57
1,537.53	3.93		97.24		2,532.89	176.55
139,666.27	15,466.34	20,629.91	26,645.21	39,519.82	509,924.21	1,601.12
102,770.06	2,664.00	12,368.03	8,000.00	25,000.00	174,869.92	
283,711.82	14,948.76	25,405.72	22,017.16	61,515.40	371,638.14	49,659.76
386,481.88	17,612.76	37,773.75	30,017.16	86,515.40	546,508.06	49,659.76
714,867.41	33,140.32	59,389.29	56,727.37	127,197.61	1,066,685.76	72,028.89

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Brussels	Burford	Burgess- ville	Burks Falls
	\$	\$	\$	\$
ASSETS				
Lands and buildings.....		802.00		
Substation equipment.....				32,626.36
Distribution system, overhead.....	26,705.27	19,303.70	6,494.11	
Distribution system, underground.....				14,781.48
Line transformers.....	12,560.01	12,327.14	5,769.00	
Meters.....	7,421.45	8,400.68	1,752.04	4,621.64
Street light equipment, regular.....	1,948.36	1,673.53	269.02	3,253.97
Miscellaneous construction expense..	118.35	251.97	15.00	1,080.06
Steam or hydraulic plant.....				5,478.48
Old plant.....				
Other capital assets.....				
Total plant.....	48,753.44	42,759.02	14,299.17	61,841.99
Less reserve for depreciation.....	2,527.16	10,220.56	5,315.93	4,972.14
	46,226.28	32,538.46	8,983.24	56,869.85
Bank and cash balance.....	3,042.70	452.20	2,149.92	1,018.29
Securities and investments.....		4,000.00	2,800.00	
Accounts receivable.....	300.57	737.34	49.19	167.87
Inventories.....		306.01	60.00	11.25
Sinking fund on local debentures.....				
Other assets.....	14.00	124.66	25.00	
Frequency standardization expenditure in suspense.....				
	49,583.55	38,158.67	14,067.35	58,067.26
Equity in H-E.P.C. systems.....	33,785.33	36,075.87	12,779.52	1,858.26
Total.....	83,368.88	74,234.54	26,846.87	59,925.52
LIABILITIES				
Debenture balance.....				27,354.61
Accounts payable.....	326.91	302.60		2,572.73
Bank overdraft.....				
Other liabilities.....	104.55	126.30	5.00	97.50
Total liabilities.....	431.46	428.90	5.00	30,024.84
RESERVES				
For equity in H-E.P.C. systems.....	33,785.33	36,075.87	12,779.52	1,858.26
Other reserves.....				50.00
	33,785.33	36,075.87	12,779.52	1,908.26
SURPLUS				
Debentures paid.....	21,000.00	9,000.00	3,500.00	7,645.39
Local sinking fund.....				
Operating surplus.....	30,421.65	28,729.77	10,562.35	20,347.03
Net frequency standardization expense charged this year.....	2,269.56			
Total surplus.....	49,152.09	37,729.77	14,062.35	27,992.42
Total.....	83,368.88	74,234.54	26,846.87	59,925.52

Utilities as at December 31, 1953

Burlington	Caledonia	Campbell- ville	Cannington	Cardinal	Carleton Place	Casselman
\$	\$	\$	\$	\$	\$	\$
24,268.93	810.04				13,390.32	
194,500.02	35,202.53	4,418.90	20,546.12	21,425.37	16,415.55	
					66,341.97	42,756.77
96,495.82	24,534.67	3,455.44	12,227.18	11,629.35	28,913.14	9,013.52
54,727.65	14,417.34	1,428.10	8,623.02	7,722.43	31,579.02	7,263.89
12,730.87	4,840.24	823.04	4,317.84	1,312.08	8,478.17	2,710.01
17,604.17	2,823.60	94.50		38.68	3,888.80	5,553.49
400,327.46	82,628.42	10,219.98	45,714.16	42,127.91	169,006.97	67,297.68
30,909.62	12,643.77	3,073.16	13,124.63	5,070.42	32,899.82	1,235.00
369,417.84	69,984.65	7,146.82	32,589.53	37,057.49	136,107.15	66,062.68
60,851.82	6,864.74	816.17	1,597.19	3,306.14		4,791.75
2,600.00	200.00	3,600.00	7,500.00	1,500.00	39,500.00	
1,454.10	942.84	13.55	183.76	357.62	3,655.68	3,587.73
18,115.03	4,218.36		332.78		6,005.97	
139.60	50.00					
426.00		43.00				
453,004.39	82,260.59	11,619.54	42,203.26	42,221.25	185,268.80	74,442.16
53,207.54	56,362.58	7,547.27	36,912.60	23,906.23	201,208.55	5.41
506,211.93	138,623.17	19,166.81	79,115.86	66,127.48	386,477.35	74,447.57
170,484.84	8,500.00					67,500.00
2,312.45	103.58	36.56	672.37	147.00	422.44	1,203.59
					1,830.42	
11,180.67	625.69		35.00		2,186.06	
183,977.96	9,229.27	36.56	707.37	147.00	4,438.92	68,703.59
53,207.54	56,362.58	7,547.27	36,912.60	23,906.23	201,208.55	5.41
	366.69		61.45		669.94	
53,207.54	56,729.27	7,547.27	36,974.05	23,906.23	201,878.49	5.41
90,015.16	7,124.00	5,447.77	14,532.42	11,014.20	58,116.83	2,500.00
179,011.27	65,540.63	6,135.21	26,902.02	31,060.05	122,043.11	3,238.57
269,026.43	72,664.63	11,582.98	41,434.44	42,074.25	180,159.94	5,738.57
506,211.93	138,623.17	19,166.81	79,115.86	66,127.48	386,477.35	74,447.57

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Cayuga	Chatham	Chatsworth	Chesley
ASSETS	\$	\$	\$	\$
Lands and buildings.....		390,670.03	364.89	6,000.00
Substation equipment.....		282,021.58		
Distribution system, overhead.....	34,795.56	365,072.01	7,439.85	41,875.83
Distribution system, underground.....		207,414.52		
Line transformers.....	13,551.50	221,640.05	4,738.88	20,870.23
Meters.....	7,927.74	152,311.22	3,628.99	14,891.85
Street light equipment, regular.....	2,720.36	101,862.72	4,075.18	6,485.56
Miscellaneous construction expense..	928.01	71,644.65	20.86	1,046.03
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	59,923.17	1,792,636.78	20,268.65	91,169.50
Less reserve for depreciation.....	8,220.88	380,236.07	4,884.85	21,774.16
	51,702.29	1,412,400.71	15,383.80	69,395.34
Bank and cash balance.....	1,159.62	50.00	4,630.76	1,354.33
Securities and investments.....	20,200.00	50,000.00	1,000.00	6,000.00
Accounts receivable.....	365.93	116,751.17	112.64	297.63
Inventories.....	288.66	59,089.68		790.59
Sinking fund on local debentures.....				
Other assets.....	59.00	470.32		
Frequency standardization expenditure in suspense.....		148.00		
	73,775.50	1,638,909.88	21,127.20	77,837.89
Equity in H-E.P.C. systems.....	25,940.33	1,001,696.62	12,802.23	88,207.12
Total.....	99,715.83	2,640,606.50	33,929.43	166,045.01
LIABILITIES				
Debenture balance.....		385,788.34		
Accounts payable.....	1,606.06			104.11
Bank overdraft.....		139,209.02		
Other liabilities.....	405.43	10,923.34	112.85	
Total liabilities.....	2,011.49	535,920.70	112.85	104.11
RESERVES				
For equity in H-E.P.C. systems.....	25,940.33	1,001,696.62	12,802.23	88,207.12
Other reserves.....	115.66	55,700.98		
	26,055.99	1,057,397.60	12,802.23	88,207.12
SURPLUS				
Debentures paid.....	20,000.00	484,211.66	5,014.10	24,410.34
Local sinking fund.....				
Operating surplus.....	51,648.35	563,076.54	16,000.25	53,323.44
Net frequency standardization expense charged this year.....				
Total surplus.....	71,648.35	1,047,288.20	21,014.35	77,733.78
Total.....	99,715.83	2,640,606.50	33,929.43	166,045.01

Utilities as at December 31, 1953

Chester- ville	Chippawa	Clifford	Clinton	Cobden	Cobourg	Colborne
\$	\$	\$	\$	\$	\$	\$
3,360.25	1,434.46		10,164.94		32,227.73	
17,349.47	29,350.13	13,478.66	33,389.59		1,668.35	
			42,540.38	24,402.97	178,851.48	19,175.17
10,273.63	14,850.15	6,615.03	31,244.14	8,770.97	64,119.33	7,635.47
9,395.25	11,660.84	3,928.00	20,884.46	6,054.09	60,356.07	8,020.75
2,940.67	9,657.49	2,317.55	6,055.89	5,499.90	45,925.49	3,989.93
759.28	301.27	1,913.83	4,254.68	55.17	14,611.69	2,856.98
44,078.55	67,254.34	28,253.07	148,534.08	44,783.10	397,760.14	41,678.30
10,115.72	18,709.77	7,717.88	25,654.21	904.33	95,994.09	4,793.01
33,962.83	48,544.57	20,535.19	122,879.87	43,878.77	301,766.05	36,885.29
5,361.19	4,304.24	1,463.54	25.00	5,872.76	15,749.46	2,106.82
10,000.00	4,500.00	1,000.00	4,500.00		20,000.00	5,000.00
153.01	122.00		810.05	1,823.34	17,471.43	2,360.46
	666.70		4,156.08		20,974.25	7,889.20
19.12	1.32	17.00	137.33		2,210.53	
		3,193.55				
49,496.15	58,138.83	26,209.28	132,508.33	51,574.87	378,171.72	54,241.77
61,409.04	41,939.38	19,687.18	117,082.58	10,440.53	179,011.31	18,481.58
110,905.19	100,078.21	45,896.46	249,590.91	62,015.40	557,183.03	72,723.35
130.12	100.00	521.79 1,420.48	27,000.00 2,169.52	535.50	333.24	705.65
46.00	950.00	5.00	2,806.74 2,036.27	83.50	6,762.04	466.00
176.12	1,050.00	1,947.27	34,012.53	619.00	7,095.28	1,171.65
61,409.04	41,939.38	19,687.18	117,082.58 418.28	10,440.53	179,011.31	18,481.58
61,409.04	41,939.38	19,687.18	117,500.86	10,440.53	179,011.31	18,481.58
5,889.32	13,350.00	7,478.21	47,500.00	4,949.42	105,993.50	12,194.59
43,430.71	43,738.83	16,783.80	70,230.60	46,006.45	265,082.94	40,875.53
			19,653.08			
49,320.03	57,088.83	24,262.01	98,077.52	50,955.87	371,076.44	53,070.12
110,905.19	190,078.21	45,896.46	249,590.91	62,015.40	557,183.03	72,723.35

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Coldwater	Colling- wood	Comber	Cookstown
ASSETS	\$	\$	\$	\$
Lands and buildings.....	275.00	20,235.07	498.22	70.00
Substation equipment.....		23,179.35		
Distribution system, overhead.....	20,002.85	112,985.47	18,111.20	21,130.49
Distribution system, underground.....				
Line transformers.....	10,076.05	68,825.46	11,825.76	5,437.05
Meters.....	6,613.22	53,136.27	5,197.34	4,820.68
Street light equipment, regular.....	4,344.90	26,614.36	1,392.47	1,543.85
Miscellaneous construction expense..	119.60	6,281.02	455.12	200.07
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	41,431.62	311,257.00	37,480.11	33,202.14
Less reserve for depreciation.....	7,720.93	65,530.93	5,711.16	3,439.07
	33,710.69	245,726.07	31,768.95	29,763.07
Bank and cash balance.....	321.75	7,046.31	1,054.83	5,269.16
Securities and investments.....	8,500.00	11,000.00		
Accounts receivable.....	870.99	2,773.74	31.22	1,289.83
Inventories.....		10,601.79		
Sinking fund on local debentures.....				
Other assets.....	313.94	2,277.07	780.70	
Frequency standardization expendi- ture in suspense.....				
	43,717.37	279,424.98	33,635.70	36,322.06
Equity in H-E.P.C. systems.....	32,100.59	337,498.40	39,746.95	13,996.14
Total.....	75,817.96	616,923.38	73,382.65	50,318.20
LIABILITIES				
Debenture balance.....			4,454.28	
Accounts payable.....	287.52	837.32		435.82
Bank overdraft.....				
Other liabilities.....	160.37	4,403.04	98.23	153.57
Total liabilities.....	447.89	5,240.36	4,552.51	589.39
RESERVES				
For equity in H-E.P.C. systems.....	32,100.59	337,498.40	39,746.95	13,996.14
Other reserves.....	96.00	500.00	25.38	
	32,196.59	337,998.40	39,772.33	13,996.14
SURPLUS				
Debentures paid.....	6,867.47	38,183.42	8,245.72	12,000.85
Local sinking fund.....				
Operating surplus.....	36,306.01	235,501.20	20,812.09	23,731.82
Net frequency standardization ex- pense charged this year.....				
Total surplus.....	43,173.48	273,684.62	29,057.81	35,732.67
Total.....	75,817.96	616,923.38	73,382.65	50,318.20

Utilities as at December 31, 1953

Cottam	Courtright	Creemore	Dashwood	Delaware	Delhi	Deseronto
\$	\$	\$	\$	\$	\$	\$
475.63					2,786.04	1,322.41
18,624.74	10,885.61	13,364.73	5,779.90	9,018.64	62,920.39	161.18
6,335.44	3,720.24	7,416.77	6,500.17	2,946.43	37,958.00	32,326.66
4,177.21	2,836.46	6,696.23	4,022.89	2,669.71	26,445.29	22,971.02
1,113.76	2,049.86	2,580.94	382.95	476.04	9,511.96	10,820.80
95.24		336.88		52.54	8,020.45	4,436.58
						4,073.35
					28,518.74	
30,822.02	19,492.17	30,395.55	16,685.91	15,163.36	176,160.87	76,112.00
6,758.69	1,467.41	5,746.91	2,504.63	3,572.66	27,116.73	17,456.15
24,063.33	18,024.76	24,648.64	14,181.28	11,590.70	149,044.14	58,655.85
1,970.23	1,880.80	5,189.92	3,750.32	770.23	13,497.19	2,997.21
3,000.00		5,000.00			23,500.00	6,000.00
64.14	600.49	341.77	111.42	580.38	2,004.01	5,072.69
		60.25			11,306.30	8,713.51
85.00					95.29	
					5.35	
29,182.70	20,506.05	35,240.58	18,043.02	12,941.31	199,452.28	81,439.26
12,666.04	13,466.16	27,725.25	21,052.94	9,651.41	37,318.81	25,261.13
41,848.74	33,972.21	62,965.83	39,095.96	22,592.72	236,771.09	106,700.39
					30,923.20	
1,095.84			24.50	1,313.82	50.25	
176.59	249.17	306.00		50.00	2,436.80	840.72
1,272.43	249.17	306.00	24.50	1,363.82	33,410.25	840.72
12,666.04	13,466.16	27,725.25	21,052.94	9,651.41	37,318.81	25,261.13
37.95	5.24	143.73		22.53	31.22	
12,703.99	13,471.40	27,868.98	21,052.94	9,673.94	37,350.03	25,261.13
9,000.22	8,138.35	2,823.61	3,400.00	4,000.00	54,076.80	15,000.00
18,899.10	12,113.29	31,967.24	14,618.52	7,554.96	111,934.01	65,598.54
27.00						
27,872.32	20,251.64	34,790.85	18,018.52	11,554.96	166,010.81	80,598.54
41,848.74	33,972.21	62,965.83	39,095.96	22,592.72	236,771.09	106,700.39

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Dorchester	Drayton	Dresden	Drumbo
ASSETS	\$	\$	\$	\$
Lands and buildings.....			33,944.94	
Substation equipment.....			1,486.00	
Distribution system, overhead.....	16,546.61	13,351.72	44,730.51	9,067.35
Distribution system, underground.....				
Line transformers.....	8,965.16	9,364.06	19,238.60	5,362.16
Meters.....	6,753.41	4,741.54	16,815.43	3,391.42
Street light equipment, regular.....	3,569.24	2,011.76	2,617.60	505.64
Miscellaneous construction expense..	84.80	412.65	3,999.18	
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	35,919.22	29,881.73	122,832.26	18,326.57
Less reserve for depreciation.....	6,573.36	9,578.32	7,112.52	7,826.03
	29,345.86	20,303.41	115,719.74	10,500.54
Bank and cash balance.....		5,115.93	3,087.48	3,398.88
Securities and investments.....	1,700.00	6,000.00	1,000.00	8,500.00
Accounts receivable.....	1,511.25	618.17	3,757.45	686.37
Inventories.....	8.50		10,402.55	31.19
Sinking fund on local debentures.....				
Other assets.....		32.50		
Frequency standardization expenditure in suspense.....		5,385.15	1,076.30	78.00
	32,565.61	37,455.16	135,043.52	23,194.98
Equity in H-E.P.C. systems.....	18,863.02	30,305.12	80,462.48	16,712.74
Total.....	51,428.63	67,760.28	215,506.00	39,907.72
LIABILITIES				
Debenture balance.....			27,699.41	
Accounts payable.....	2,151.31	285.76	1,301.82	382.15
Bank overdraft.....	641.55			
Other liabilities.....	43.22	30.00	818.00	100.00
Total liabilities.....	2,836.08	315.76	29,819.23	482.15
RESERVES				
For equity in H-E.P.C. systems.....	18,863.02	30,305.12	80,462.48	16,712.74
Other reserves.....			1,259.52	
	18,863.02	30,305.12	81,722.00	16,712.74
SURPLUS				
Debentures paid.....	4,300.00	9,500.00	13,723.83	4,500.00
Local sinking fund.....				
Operating surplus.....	25,429.53	27,639.40	98,271.36	18,212.83
Net frequency standardization expense charged this year.....			8,030.42	
Total surplus.....	29,729.53	37,139.40	103,964.77	22,712.83
Total.....	51,428.63	67,760.28	215,506.00	39,907.72

Utilities as at December 31, 1953

Dublin	Dundalk	Dundas	Dunnville	Durham	Dutton	East York Twp.
\$	\$	\$	\$	\$	\$	\$
.....	2,542.33	22,277.88	7,323.56	211.28	75.11	187,304.69
8,519.38	16,079.90	38,830.02	41,181.36	.....	.....	330,984.46
.....	.....	123,569.21	64,242.28	37,217.45	14,526.35	905,164.07
.....	.....	.....	3,800.61	.....	.....	.....
5,153.74	9,265.54	61,042.15	42,619.44	24,119.06	8,380.56	538,634.04
2,579.90	6,222.80	52,137.37	38,273.52	14,696.89	5,164.52	386,130.67
659.43	2,770.66	18,770.08	13,868.36	4,262.14	2,621.20	142,506.18
.....	572.60	7,695.86	4,937.35	4,346.97	412.10	72,410.32
.....
.....	.....	1,534.00	.....	.....	.....	.....
16,912.45	37,453.83	325,856.57	216,246.48	84,853.79	31,179.84	2,563,134.43
6,310.49	7,401.68	102,083.57	66,164.39	15,707.80	11,866.20	255,206.85
10,601.96	30,052.15	223,773.00	150,082.09	69,145.99	19,313.64	2,307,927.58
7,598.05	558.17	963.86	70.00	3,029.99	1,545.26	51,379.47
1,300.00	8,500.00	9,000.00	20,000.00	6,000.00	7,000.00	.....
92.69	342.17	5,119.14	1,671.38	1,143.58	380.15	103,009.34
.....	.....	.....	12,048.93	2,215.99	.....	22,536.74
.....	.....	1,040.90	142.27	.....	1.42	150.00
.....	.....	1,528.25	368.00	.....	.....	.....
19,592.70	39,452.49	241,425.15	184,382.67	81,535.55	28,240.47	2,485,003.13
12,786.39	32,279.04	349,574.76	165,851.10	71,925.74	45,156.47	923,426.91
32,379.09	71,731.53	590,999.91	350,233.77	153,461.29	73,396.94	3,408,430.04
.....
3,209.55	35.23	3,232.56	5,680.44	218.66	2,278.45	643,000.00
.....	.....	12,599.22	5,095.78	.....	.....	213,617.19
3.00	100.00	6,919.06	4,191.39	226.00	157.36	15,605.82
3,212.55	135.23	22,750.84	14,967.61	444.66	2,435.81	872,223.01
12,786.39	32,279.04	349,574.76	165,851.10	71,925.74	45,156.47	923,426.91
.....	.....	55.96	.....	.....	26.75	9,377.14
12,786.39	32,279.04	349,630.72	165,851.10	71,925.74	45,183.22	932,804.05
6,200.00	5,727.27	53,000.00	75,500.00	25,323.97	8,407.49	436,763.36
11,078.51	33,589.99	165,618.35	93,915.06	55,766.92	17,370.42	1,166,639.62
898.36	.....	.....	.....	.....	.....	.....
16,380.15	39,317.26	218,618.35	169,415.06	81,090.89	25,777.91	1,603,402.98
32,379.09	71,731.53	590,999.91	350,233.77	153,461.29	73,396.94	3,408,430.04

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Eganville	Elmira	Elmvale	Elmwood
ASSETS	\$	\$	\$	\$
Lands and buildings	8,758.00	44,215.58	156.25	1,709.66
Substation equipment		44,580.13	2,273.07	
Distribution system, overhead	17,442.72	79,085.41	21,604.16	8,442.41
Distribution system, underground		490.20		
Line transformers	7,357.75	40,009.01	14,820.73	3,811.42
Meters	7,776.01	25,715.68	8,996.07	3,122.58
Street light equipment, regular	1,383.94	5,876.67	6,405.61	1,354.87
Miscellaneous construction expense ..	2,887.07	4,471.30		
Steam or hydraulic plant	78,122.91			
Old plant				
Other capital assets				
Total plant	123,728.40	244,443.98	54,255.89	18,440.94
Less reserve for depreciation	19,178.65	45,985.61	8,982.67	3,690.32
	104,549.75	198,458.37	45,273.22	14,750.62
Bank and cash balance	6,958.30	14,724.22	780.50	5,467.37
Securities and investments			1,500.00	2,600.00
Accounts receivable	247.01	2,351.17	626.72	423.00
Inventories	1,291.89			
Sinking fund on local debentures				
Other assets		864.15		
Frequency standardization expenditure in suspense		5,941.04		
	113,046.95	222,338.95	48,180.44	23,240.99
Equity in H-E.P.C. systems	145.95	190,651.72	34,583.87	11,413.42
Total	113,192.90	412,990.67	82,764.31	34,654.41
LIABILITIES				
Debenture balance	77,203.33			
Accounts payable	0.35	573.64	3,111.19	480.68
Bank overdraft				
Other liabilities		1,284.05		85.00
Total liabilities	77,203.68	1,857.69	3,111.19	565.68
RESERVES				
For equity in H-E.P.C. systems	145.95	190,651.72	34,583.87	11,413.42
Other reserves			3.68	
	145.95	190,651.72	34,587.55	11,413.42
SURPLUS				
Debentures paid	22,796.67	37,168.50	6,544.07	6,106.38
Local sinking fund				
Operating surplus	13,046.60	183,312.76	38,521.50	16,568.93
Net frequency standardization expense charged this year				
Total surplus	35,843.27	220,481.26	45,065.57	22,675.31
Total	113,192.90	412,990.67	82,764.31	34,654.41

Utilities as at December 31, 1953

Elora	Embro	Erieau	Erie Beach	Erin	Essex	Etobicoke Twp.
\$	\$	\$	\$	\$	\$	\$
4,678.36					12,196.49	414,928.37
29,792.38	15,342.67	33,602.95	5,286.36	20,275.46	75,374.97	605,006.24
					442.55	1,691,154.57
17,839.23	11,656.17	18,807.96	2,849.82	4,791.73	35,305.67	727,753.05
10,781.74	4,161.55	6,591.71	1,722.88	3,342.95	21,066.61	511,970.08
2,699.44	703.12	961.55	306.37	1,641.72	3,576.15	202,288.29
1,072.77	532.37			893.51	4,171.58	235,017.66
66,863.92	32,395.88	59,964.17	10,165.43	30,945.37	152,134.02	4,388,188.26
21,463.68	9,341.80	4,204.91	792.23	3,158.79	40,798.11	265,807.59
45,400.24	23,054.08	55,759.26	9,373.20	27,786.58	111,335.91	4,122,310.67
3,553.85	3,538.69	671.13	897.70	6,556.04	6,228.77	92,602.00
7,500.00	6,000.00	1,000.00				7,000.00
177.04	177.66	148.74	36.86	281.29	1,518.37	81,825.34
224.91					5,189.54	72,421.55
64.00		990.55			104.58	2,811.26
	40.25					
56,920.04	32,810.68	58,569.68	10,307.76	34,623.91	124,377.17	4,378,970.82
86,529.07	26,851.71	20,419.96	4,139.77	1,850.30	85,006.31	886,618.96
143,449.11	59,662.39	78,989.64	14,447.53	36,474.21	209,383.48	5,265,589.78
288.07	1,527.39	9,600.00		12,325.00	1,467.42	2,910,600.00
				161.96		16.95
365.00	25.38	57.50	147.50	280.00	910.00	40,756.20
653.07	1,522.77	9,657.50	147.50	12,766.96	2,377.42	2,951,373.15
86,529.07	26,851.71	20,419.96	4,139.77	1,850.30	85,006.31	886,618.96
		19.23	18.90		320.05	4,081.67
86,529.07	26,851.71	20,439.19	4,158.67	1,850.30	85,326.36	890,700.63
13,000.00	7,500.00	6,883.13	3,300.00	2,175.00	21,032.58	450,095.40
43,266.97	23,757.91	42,009.82	6,841.36	19,681.95	100,659.12	973,483.31
					12.00	62.71
56,266.97	31,257.91	48,892.95	10,141.36	21,856.95	121,679.70	1,423,516.00
143,449.11	59,662.39	78,989.64	14,447.53	36,474.21	209,383.48	5,265,589.78

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Exeter	Fergus	Finch	Flesherton
ASSETS	\$	\$	\$	\$
Lands and buildings.....	9,954.19	2,442.52		430.00
Substation equipment.....		27,539.89		
Distribution system, overhead.....	61,952.27	55,954.00	13,934.17	13,497.77
Distribution system, underground.....				
Line transformers.....	36,047.61	38,571.53	6,928.42	8,786.74
Meters.....	22,808.58	27,500.99	4,032.00	4,484.41
Street light equipment, regular.....	5,818.59	10,279.37	1,897.36	1,646.58
Miscellaneous construction expense..	3,859.91	1,256.08	336.05	372.39
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	140,441.15	163,544.38	27,128.00	29,217.89
Less reserve for depreciation.....	35,029.86	32,083.79	3,981.52	5,518.97
	105,411.29	131,460.59	23,146.48	23,698.92
Bank and cash balance.....	2,996.05	6,987.07	2,472.14	1,556.05
Securities and investments.....			6,000.00	11,000.00
Accounts receivable.....	1,261.29	1,783.59	1,155.35	41.20
Inventories.....	2,711.26	703.12		
Sinking fund on local debentures.....				
Other assets.....	81.06	141.00		
Frequency standardization expenditure in suspense.....		240.00		
	112,460.95	141,315.37	32,773.97	36,296.17
Equity in H-E.P.C. systems.....	111,639.54	172,208.95	12,668.23	15,160.09
Total.....	224,100.49	313,524.32	45,442.20	51,456.26
LIABILITIES				
Debenture balance.....				
Accounts payable.....	202.67	775.71		42.65
Bank overdraft.....				
Other liabilities.....	1,596.07	1,018.20	230.95	104.00
Total liabilities.....	1,798.74	1,793.91	230.95	146.65
RESERVES				
For equity in H-E.P.C. systems.....	111,639.54	172,208.95	12,668.23	15,160.09
Other reserves.....	60.16	166.02		
	111,699.70	172,374.97	12,668.23	15,160.09
SURPLUS				
Debentures paid.....	20,000.05	42,000.00	7,000.00	5,830.88
Local sinking fund.....				
Operating surplus.....	90,602.00	97,355.44	25,543.02	30,318.64
Net frequency standardization expense charged this year.....				
Total surplus.....	110,602.05	139,355.44	32,543.02	36,149.52
Total.....	224,100.49	313,524.32	45,442.20	51,456.26

Utilities as at December 31, 1953

Fonthill	Forest	Forest Hill	Frankford	Galt	Georgetown
\$	\$	\$	\$	\$	\$
.....	6,576.61	52,742.79	.....	268,532.84	5,905.28
.....	.....	220,248.14	.....	336,424.54	18,491.00
32,616.61	29,399.63	290,088.96	26,410.28	445,660.01	80,931.35
.....	.....	10,513.60	.....	4,220.52	.....
24,171.90	23,342.58	221,620.41	6,916.87	244,011.36	54,630.15
14,101.78	17,808.45	98,995.23	7,412.34	164,693.69	35,126.91
5,422.05	7,401.71	17,414.64	3,006.98	110,008.80	9,652.46
6,642.49	5,018.64	22,530.19	.....	44,517.82	4,184.99
.....
.....	.....	.....	.....	73,518.00	.....
82,954.83	89,547.62	934,153.96	43,746.47	1,691,587.58	208,922.14
9,862.17	30,237.10	278,494.93	5,715.11	544,455.45	47,029.33
73,092.66	59,310.52	655,659.03	38,031.36	1,147,132.13	161,892.81
.....	1,178.58	96,862.62	20,175.16	350.00	50.00
.....	36,510.00	74,000.00	.....	175,000.00	5,000.00
320.33	6,517.29	5,231.65	270.05	20,251.47	238.73
33.50	2,098.99	23,814.22	.....	73,964.55	12,446.21
.....	25.00	.....	.....	9,210.85	147.00
.....	.....	10,069.84	.....	29,266.95	.....
73,446.49	105,640.38	865,637.36	58,476.57	1,455,175.95	179,774.75
22,103.72	88,983.14	554,250.80	3,057.53	1,367,365.34	268,140.35
95,550.21	194,623.52	1,419,888.16	61,534.10	2,822,541.29	447,915.10
12,000.00	.....	83,754.54	12,000.00	290,000.00	.....
9,488.74	41.39	12,227.08	.....	14,552.34	.....
1,129.10	.....	.....	.....	15,858.99	1,832.48
524.30	131.86	24,241.50	650.00	11,704.40	7,529.92
23,142.14	173.25	120,223.12	12,650.00	332,115.73	9,362.40
22,103.72	88,983.14	554,250.80	3,057.53	1,367,365.34	268,140.35
.....	85.89	256.43	.....	27,079.94	250.00
22,103.72	89,069.03	554,507.23	3,057.53	1,394,445.28	268,390.35
24,500.00	23,357.13	279,027.06	8,000.00	528,001.95	20,000.00
25,804.35	82,024.11	466,130.75	37,826.57	567,978.33	150,162.35
.....
50,304.35	105,381.24	745,157.81	45,826.57	1,095,980.28	170,162.35
95,550.21	194,623.52	1,419,888.16	61,534.10	2,822,541.29	447,915.10

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Glencoe	Goderich	Grand Valley	Granton
ASSETS	\$	\$	\$	\$
Lands and buildings.....	3,587.66	81,520.77	36.50	
Substation equipment.....		74,215.04		
Distribution system, overhead.....	31,742.18	117,298.13	17,174.32	5,991.96
Distribution system, underground.....				
Line transformers.....	16,748.81	64,771.86	8,198.10	3,578.36
Meters.....	9,138.62	50,239.45	6,929.04	2,872.25
Street light equipment, regular.....	6,581.91	12,858.34	1,117.46	180.78
Miscellaneous construction expense.....	1,711.94	19,687.45	162.81	41.40
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	69,511.12	420,591.04	33,618.23	12,664.75
Less reserve for depreciation.....	17,019.82	101,820.67	13,290.66	1,419.11
	52,491.30	318,770.37	20,327.57	11,245.64
Bank and cash balance.....	7,055.22	79,613.59	2,833.53	3,211.13
Securities and investments.....	10,100.00	2,000.00	8,000.00	
Accounts receivable.....	1,368.44	9,433.34	559.79	66.47
Inventories.....	853.00	3,790.16		
Sinking fund on local debentures.....				
Other assets.....	35.27	598.09		348.38
Frequency standardization expenditure in suspense.....				
	71,903.23	414,205.55	31,720.89	14,871.62
Equity in H-E.P.C. systems.....	48,008.44	298,720.06	29,780.47	17,432.74
Total.....	119,911.67	712,925.61	61,501.36	32,304.36
LIABILITIES				
Debenture balance.....		117,804.37		2,567.69
Accounts payable.....	14.96	17,612.93	241.43	484.00
Bank overdraft.....				
Other liabilities.....	397.00	5,024.71		30.00
Total liabilities.....	411.96	140,442.01	241.43	3,081.69
RESERVES				
For equity in H-E.P.C. systems.....	48,008.44	298,720.06	29,780.47	17,432.74
Other reserves.....	351.64	604.01		57.80
	48,360.08	299,324.07	29,780.47	17,490.54
SURPLUS				
Debentures paid.....	20,112.88	103,283.68	10,794.30	4,075.89
Local sinking fund.....				
Operating surplus.....	51,026.75	187,671.63	20,685.16	7,656.24
Net frequency standardization expense charged this year.....		17,795.78		
Total surplus.....	71,139.63	273,159.53	31,479.46	11,732.13
Total.....	119,911.67	712,925.61	61,501.36	32,304.36

Utilities as at December 31, 1953

Gravenhurst	Grimsby	Guelph	Hagersville	Hamilton	Hanover
\$	\$	\$	\$	\$	\$
15,684.91		28,509.07	2,700.00	2,416,570.49	27,800.95
10,936.03		334,812.29	864.37	4,184,434.23	3,511.19
54,018.01	66,301.41	524,014.63	29,169.56	2,503,003.93	77,371.95
1,941.77		28,847.47		1,575,883.14	
30,888.15	33,683.09	232,021.54	23,467.17	2,162,601.11	40,291.64
29,533.88	25,058.33	217,074.79	16,396.54	1,483,816.28	30,768.32
10,862.84	7,801.47	78,181.01	1,439.69	646,055.52	7,251.90
2,706.54		39,546.14	1,292.81	155,190.48	9,054.26
		62,900.00			
156,572.13	132,844.30	1,545,906.94	75,330.14	15,127,555.18	196,050.21
38,336.13	19,656.51	406,756.88	25,320.15	1,963,349.62	83,656.30
118,236.00	113,187.79	1,139,150.06	50,009.99	13,164,205.56	112,393.91
4,778.89	7,537.54	362.50	5,757.00	40,247.64	19,138.19
9,000.00	26,000.00	150,000.00	42,000.00		108,270.36
1,798.16	752.20	521.73	660.83	2,264,936.47	494.18
1,513.65	142.97	62,878.40	188.94	736,180.97	263.19
	1,335.00	1,524.73	11.62	374,837.01	1,241.46
	530.00	11,213.45		32,902.62	
135,326.70	149,485.50	1,365,650.87	98,628.38	16,613,310.27	241,801.29
96,106.20	36,245.57	1,594,447.43	173,293.85	14,884,168.03	197,679.35
231,432.90	185,731.07	2,960,098.30	271,922.23	31,497,478.30	439,480.64
		319,000.00		1,500,000.00	
560.05	14,349.95	69,784.46	95.20	1,071,312.09	
		29,421.61		607,243.80	
1,346.50	2,184.86	15,278.15	665.00	64,577.86	2,169.64
1,906.55	16,534.81	433,484.22	760.20	3,243,133.75	2,169.64
96,106.20	36,245.57	1,594,447.43	173,293.85	14,884,168.03	197,679.35
433.50		18,033.52		235,241.65	
96,539.70	36,245.57	1,612,480.95	173,293.85	15,119,409.68	197,679.35
44,278.97	85,344.00	176,000.00	8,000.00	6,185,275.19	80,162.29
88,707.68	47,606.69	738,133.13	89,868.18	6,958,388.93	159,469.36
				8,729.25	
132,986.65	132,950.69	914,133.13	97,868.18	13,134,934.87	239,631.65
231,432.90	185,731.07	2,960,098.30	271,922.23	31,497,478.30	439,480.64

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Harriston	Harrow	Hastings	Havelock
ASSETS	\$	\$	\$	\$
Lands and buildings.....	395.25	2,318.16		
Substation equipment.....	25.00			
Distribution system, overhead.....	42,040.20	41,136.44	27,584.84	38,639.29
Distribution system, underground.....				
Line transformers.....	21,715.37	30,675.70	8,862.62	11,353.24
Meters.....	12,614.81	14,084.38	8,295.52	9,661.50
Street light equipment, regular.....	8,179.33	4,525.48	1,577.62	6,489.30
Miscellaneous construction expense..	1,682.41	1,096.98		373.00
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	86,652.37	93,837.14	46,320.60	66,516.33
Less reserve for depreciation.....	22,175.20	25,112.22	13,991.68	10,509.79
	64,477.17	68,724.92	32,328.92	56,006.54
Bank and cash balance.....	3,226.18	2,910.30	1,250.16	11,103.12
Securities and investments.....		7,000.00	8,000.00	10,000.00
Accounts receivable.....	1,396.72	1,387.60	25.45	280.09
Inventories.....	344.74	8,091.22		
Sinking fund on local debentures.....				
Other assets.....	73.50	40.53	736.00	
Frequency standardization expenditure in suspense.....	10,419.78	4,296.19		
	79,938.09	92,450.76	42,340.53	77,389.75
Equity in H-E.P.C. systems.....	84,551.11	73,910.92	12,861.54	29,542.71
Total.....	164,489.20	166,361.68	55,202.07	106,932.46
LIABILITIES				
Debenture balance.....				27,000.00
Accounts payable.....	72.71	5,004.79	1,150.47	1,508.44
Bank overdraft.....				
Other liabilities.....	422.26	820.00	693.09	170.00
Total liabilities.....	494.97	5,824.79	1,843.56	28,678.44
RESERVES				
For equity in H-E.P.C. systems.....	84,551.11	73,910.92	12,861.54	29,542.71
Other reserves.....		128.85		
	84,551.11	74,039.77	12,861.54	29,542.71
SURPLUS				
Debentures paid.....	25,818.03	12,000.00	21,000.00	35,900.00
Local sinking fund.....				
Operating surplus.....	53,625.09	79,780.24	19,496.97	12,811.31
Net frequency standardization expense charged this year.....		5,283.12		
Total surplus.....	79,443.12	86,497.12	40,496.97	48,711.31
Total.....	164,489.20	166,361.68	55,202.07	106,932.46

Utilities as at December 31, 1953

Hensall	Hespeler	Highgate	Holstein	Huntsville	Ingersoll	Iroquois
\$	\$	\$	\$	\$	\$	\$
.....	17,651.31	.....	.....	353.52	30,330.70	281.20
.....	61,830.62	.....	.....	.....	105,994.97	.....
29,734.92	66,708.52	11,138.90	5,168.50	43,776.52	96,613.50	14,055.11
.....
25,287.72	52,935.80	5,057.71	2,504.43	36,829.76	71,153.82	6,688.90
9,873.82	22,890.48	2,879.28	1,800.94	26,695.32	53,682.56	7,025.95
3,616.77	19,121.66	3,001.38	1,100.04	12,072.61	9,949.89	2,852.22
342.41	11,476.71	.....	30.49	2,816.93	5,167.21	342.11
.....
.....
.....
68,855.64	252,615.10	22,077.27	10,604.40	122,544.66	372,892.65	31,245.49
14,001.75	35,038.28	7,505.75	1,681.00	21,508.80	55,003.39	6,557.17
.....
54,853.89	217,576.82	14,571.52	8,923.40	101,035.86	317,889.26	24,688.32
.....
216.13	59,906.33	.....	1,206.48	222.72	6,730.60	3,784.35
2,000.00	10,000.00	3,000.00	2,000.00	.....	.....	8,000.00
494.09	23,437.55	.....	5.22	2,619.94	5,443.79	253.44
.....	921.26	.....	.....	11,504.09	6,928.12	948.48
.....
15.00	310.00	1,231.41	.....	7,737.13	554.84	.....
.....	2,305.00	.....	.....	.....	749.00	.....
.....
57,579.11	314,456.96	18,802.93	12,135.10	123,119.74	338,295.61	37,674.59
41,311.19	310,185.40	21,458.64	6,184.47	156,743.98	446,470.79	12,508.32
.....
98,890.30	624,642.36	40,261.57	18,319.57	279,863.72	784,766.40	50,182.91
.....
.....	.....	.....	.....	.....	74,653.61	.....
4,381.48	1,184.66	.....	.....	23.00	2,857.42	21.35
.....	.....	408.63	.....	.....	.....	.....
125.00	1,860.00	95.00	42.60	1,268.42	4,301.35	786.76
.....
4,506.48	3,044.66	503.63	42.60	1,291.42	81,812.38	808.11
.....
41,311.19	310,185.40	21,458.64	6,184.47	156,743.98	446,470.79	12,508.32
.....	105.17	.....	.....	129.14	147.38	.....
.....
41,311.19	310,290.57	21,458.64	6,184.47	156,873.12	446,618.17	12,508.32
.....
12,000.00	77,570.51	5,000.00	2,762.05	15,697.39	85,146.39	.....
.....
41,072.63	233,736.62	13,337.63	9,330.45	106,001.79	171,189.46	36,866.48
.....	.....	38.33	.....	.....	.....	.....
.....
53,072.63	311,307.13	18,299.30	12,092.50	121,699.18	256,335.85	36,866.48
.....
98,890.30	624,642.36	40,261.57	18,319.57	279,863.72	784,766.40	50,182.91

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Jarvis	Kemptville	Kincardine	Kingston
ASSETS	\$	\$	\$	\$
Lands and buildings		5,466.98	6,740.17	414,384.33
Substation equipment.....			13,082.39	536,248.29
Distribution system, overhead.....	23,878.44	32,423.14	68,653.59	542,560.57
Distribution system, underground.....				393,691.15
Line transformers.....	9,326.29	23,263.95	36,637.47	282,791.28
Meters.....	5,200.39	15,965.80	23,172.32	270,369.21
Street light equipment, regular.....	1,097.57	1,478.58	13,092.89	127,634.79
Miscellaneous construction expense..	97.60	1,990.15	4,790.86	8,388.36
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	39,600.29	80,588.60	166,169.69	2,576,067.98
Less reserve for depreciation.....	1,379.57	14,463.05	33,389.40	728,103.26
	38,220.72	66,125.55	132,780.29	1,847,964.72
Bank and cash balance.....	1,762.82	10,379.04	50.00	8,651.99
Securities and investments.....		6,000.00	33,000.00	180,000.00
Accounts receivable.....	382.94	2,317.00	1,901.74	148,178.01
Inventories.....		4,777.60	248.76	70,031.83
Sinking fund on local debentures.....				
Other assets.....	1,161.20		411.60	26,095.23
Frequency standardization expenditure in suspense.....				
	41,527.68	89,599.19	168,392.39	2,280,921.78
Equity in H-E.P.C. systems.....	35,443.10	54,965.70	112,297.13	669,840.28
Total.....	76,970.78	144,564.89	280,689.52	2,950,762.06
LIABILITIES				
Debenture balance.....				
Accounts payable.....	131.00	159.87	33.68	142,085.13
Bank overdraft.....			2,369.37	
Other liabilities.....		538.48	694.80	18,474.70
Total liabilities.....	131.00	698.35	3,097.85	160,559.83
RESERVES				
For equity in H-E.P.C. systems.....	35,443.10	54,965.70	112,297.13	669,840.28
Other reserves.....		477.76	39.62	100,000.00
	35,443.10	55,443.46	112,336.75	769,840.28
SURPLUS				
Debentures paid.....	10,500.00	19,506.62	60,000.00	274,339.08
Local sinking fund.....				
Operating surplus.....	30,896.68	68,916.46	105,254.92	1,746,022.87
Net frequency standardization expense charged this year.....				
Total surplus.....	41,396.68	88,423.08	165,254.92	2,020,361.95
Total.....	76,970.78	144,564.89	280,689.52	2,950,762.06

Utilities as at December 31, 1953

Kingsville	Kirkfield	Kitchener	Lakefield	Lambeth	Lanark	Lancaster
\$	\$	\$	\$	\$	\$	\$
8,730.87		385,953.55	7,970.94			
63,559.14	8,191.32	808,784.62				
		1,028,149.79	40,252.36	32,907.98	14,246.54	9,971.30
		337,455.25				
29,034.76	2,331.94	610,178.80	19,664.92	14,356.35	7,147.12	2,250.66
25,801.18	1,650.80	411,243.19	15,023.53	10,183.22	5,632.80	3,583.91
2,464.56	476.81	152,971.07	3,979.03	2,110.59	1,567.82	910.14
926.35		129,362.82	3,143.61	17.00	910.25	79.77
		186,578.00				
130,516.86	12,650.87	4,050,677.09	90,034.39	59,575.14	29,504.53	16,795.78
36,247.71	3,891.36	652,560.61	22,842.41	10,525.34	4,719.51	6,039.98
94,269.15	8,759.51	3,398,116.48	67,191.98	49,049.80	24,785.02	10,755.80
5,117.65	2,072.97	116,626.09	20,477.39	4,121.02	5,350.34	7,481.66
8,500.00	3,000.00		23,000.00		17,000.00	4,000.00
4,091.53	11.93	412,163.92	542.39	1,941.88	3.44	627.25
2,685.80		212,891.36	4,314.96			
110.00		2,471.01		32.00		
16,793.39		53,657.55				
131,567.52	13,844.41	4,195,926.41	115,526.72	55,144.70	47,138.80	22,864.71
103,921.31	7,345.60	3,278,824.44	40,885.48	25,435.31	16,324.30	13,673.88
235,488.83	21,190.01	7,474,750.85	156,412.20	80,580.01	63,463.10	36,538.59
2,295.98		732,000.00		24,246.87		
6,020.30	8.27	303,758.70	137.20	1,097.06		527.23
2,584.75		17,146.20	449.53	382.50	135.00	223.48
10,901.03	8.27	1,052,904.90	586.73	25,726.43	135.00	750.71
103,921.31	7,345.60	3,278,824.44	40,885.48	25,435.31	16,324.30	13,673.88
883.35	200.00	27,303.46		16.85		
104,804.66	7,545.60	3,306,127.90	40,885.48	25,452.16	16,324.30	13,673.88
31,204.02	5,765.89	855,150.00	33,500.00	8,253.13	7,316.57	8,916.82
88,579.12	7,870.25	2,260,568.05	81,439.99	21,148.29	39,687.23	13,197.18
119,783.14	13,636.14	3,115,718.05	114,939.99	29,401.42	47,003.80	22,114.00
235,488.83	21,190.01	7,474,750.85	156,412.20	80,580.01	63,463.10	36,538.59

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	La Salle	Leaming- ton	Lindsay	Listowel
ASSETS	\$	\$	\$	\$
Lands and buildings	1,210.68	36,105.25	69,859.65	1,651.40
Substation equipment		8,288.84	104,291.01	20,947.10
Distribution system, overhead	58,208.64	105,649.41	180,670.30	111,123.87
Distribution system, underground		44,437.69	24,181.53	7,883.17
Line transformers	23,896.90	62,206.96	86,026.69	46,095.73
Meters	15,648.97	54,465.38	73,374.22	28,738.65
Street light equipment, regular	1,953.47	5,130.47	17,235.79	6,655.41
Miscellaneous construction expense ..	4,889.32	8,735.89	60,311.23	6,650.63
Steam or hydraulic plant				
Old plant				
Other capital assets				
Total plant	105,807.98	325,019.89	615,950.42	229,745.96
Less reserve for depreciation	18,755.97	84,483.57	134,184.22	76,666.97
	87,052.01	240,536.32	481,766.20	153,078.99
Bank and cash balance	250.00	11,107.36		34,289.29
Securities and investments		2,000.00	15,000.00	5,000.00
Accounts receivable	2,242.89	7,829.16	1,913.54	1,206.25
Inventories	310.51	8,560.70	15,753.14	561.88
Sinking fund on local debentures				
Other assets		41.40		336.96
Frequency standardization expendi- ture in suspense	50.12			23,181.22
	89,905.53	270,074.94	514,432.88	217,654.59
Equity in H-E.P.C. systems	41,627.29	250,541.44	308,202.18	201,804.56
Total	131,532.82	520,616.38	822,635.06	419,459.15
LIABILITIES				
Debenture balance				70,000.00
Accounts payable	8,173.92	3,433.07	102,878.00	681.21
Bank overdraft	2,040.13		7,976.28	
Other liabilities	1,557.98	4,408.93	6,631.59	1,206.98
Total liabilities	11,772.03	7,842.00	117,485.87	71,888.19
RESERVES				
For equity in H-E.P.C. systems	41,627.29	250,541.44	308,202.18	201,804.56
Other reserves	111.99	252.57		2,987.38
	41,739.28	250,794.01	308,202.18	204,791.94
SURPLUS				
Debentures paid	15,500.00	48,000.00	130,000.00	43,189.89
Local sinking fund				
Operating surplus	62,521.51	213,988.77	266,947.01	99,589.13
Net frequency standardization ex- pense charged this year		8.40		
Total surplus	78,021.51	261,980.37	396,947.01	142,779.02
Total	131,532.82	520,616.38	822,635.06	419,459.15

Utilities as at December 31, 1953

London	London Twp.	Long Branch	L'Orignal	Lucan	Lucknow	Lynden
\$	\$	\$	\$	\$	\$	\$
606,516.61				375.45		241.18
915,070.50						
1,285,495.38	49,181.30	123,269.80	28,047.92	21,380.83	37,155.56	8,310.62
1,645,894.47						
939,167.55	25,210.06	74,146.14	6,668.01	13,631.32	18,524.71	5,369.34
663,208.31	18,340.99	56,453.30	4,837.84	8,870.56	9,780.60	4,231.88
315,969.03	2,948.60	24,338.09	900.00	5,191.31	7,687.92	695.10
235,900.00	559.20		1,877.96		285.28	
6,607,221.85	96,240.15	278,207.33	42,331.73	49,449.47	73,434.07	18,848.12
2,119,474.79	21,562.46	19,182.69	13,527.21	12,862.56	4,876.60	6,094.76
4,487,747.06	74,667.69	259,024.64	28,804.52	36,586.91	68,557.47	12,753.36
18,560.53	12,939.08	3,179.26	912.02	431.86	5,313.09	1,826.58
206,500.00	2,000.00	3,000.00		5,500.00	9,000.00	5,000.00
344,882.00	1,382.78	7,826.52	2,881.74	163.04	637.87	580.37
364,101.81						
10,157.41	940.00					
5,431,948.81	91,939.55	273,030.42	32,598.28	42,681.81	83,508.43	20,160.31
5,673,963.08	61,459.97	120,551.59		42,198.06	52,590.81	27,959.60
11,105,911.89	153,399.52	393,582.01	32,598.28	84,879.87	136,099.24	48,119.91
603,000.00	32,046.54		27,000.00			
461,352.51	1,786.47	30,973.43		3,052.99	2,388.84	87.35
51,939.02	877.62	5,179.26	1,000.00	523.01		36.32
1,116,291.53	34,710.63	36,152.69	28,000.00	3,576.00	2,388.84	123.67
5,673,963.08	61,459.97	120,551.59		42,198.06	52,590.81	27,959.60
260,739.04	935.06	962.15			490.75	
5,934,702.12	62,395.03	121,513.74		42,198.06	53,081.56	27,959.60
1,628,900.00	19,953.46	40,304.60	1,000.00	11,213.62	17,614.08	4,495.00
2,426,252.93	36,340.40	195,610.98	3,598.28	27,892.19	63,014.76	15,541.64
234.69						
4,054,918.24	56,293.86	235,915.58	4,598.28	39,105.81	80,628.84	20,036.64
11,105,911.89	153,399.52	393,582.01	32,598.28	84,879.87	136,099.24	48,119.91

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Madoc	Magneta- wan	Markdale	Markham
ASSETS	\$	\$	\$	\$
Lands and buildings.....	100.00	278.04		
Substation equipment.....		1,821.70	780.80	
Distribution system, overhead.....	43,868.46	11,545.18	19,741.78	51,461.94
Distribution system, underground.....				
Line transformers.....	15,744.83	3,958.61	11,454.14	31,106.39
Meters.....	13,200.89	1,335.07	10,049.08	17,345.73
Street light equipment, regular.....	3,204.25	983.31	4,555.77	2,716.95
Miscellaneous construction expense..	704.35	528.00	170.00	363.55
Steam or hydraulic plant.....				
Old plant.....		2,770.62		
Other capital assets.....				
Total plant.....	76,822.78	23,220.53	46,751.57	102,994.56
Less reserve for depreciation.....	15,221.29	2,879.30	6,195.21	15,545.33
	61,601.49	20,341.23	40,556.36	87,449.23
Bank and cash balance.....	14,779.07	11,167.83	5,602.39	
Securities and investments.....	2,000.00	100.00		5,000.00
Accounts receivable.....	524.47		125.98	428.71
Inventories.....	2,853.75			
Sinking fund on local debentures....				
Other assets.....	24.29			
Frequency standardization expendi- ture in suspense.....				
Equity in H-E.P.C. systems.....	81,783.07 26,558.45	31,609.06 274.74	46,284.73 26,449.42	92,877.94 51,832.28
Total.....	108,341.52	31,883.80	72,734.15	144,710.22
LIABILITIES				
Debenture balance.....		24,000.00		
Accounts payable.....	255.80	3,972.42	306.05	6,382.92
Bank overdraft.....				174.00
Other liabilities.....	548.84		92.00	110.00
Total liabilities.....	804.64	27,972.42	398.05	6,666.92
RESERVES				
For equity in H-E.P.C. systems.....	26,558.45	274.74	26,449.42	51,832.28
Other reserves.....				65.00
	26,558.45	274.74	26,449.42	51,897.28
SURPLUS				
Debentures paid.....	14,000.00		6,370.29	11,373.63
Local sinking fund.....				
Operating surplus.....	66,978.43	3,636.64	39,516.39	74,772.39
Net frequency standardization ex- pense charged this year.....				
Total surplus.....	80,978.43	3,636.64	45,886.68	86,146.02
Total.....	108,341.52	31,883.80	72,734.15	144,710.22

Utilities as at December 31, 1953

Marmora	Martin- town	Maxville	Meaford	Merlin	Merrick- ville	Merritton
\$	\$	\$	\$	\$	\$	\$
1,014.15	126.15	407.79	1,144.18	17,741.50		52,306.15
24,379.97	4,322.49	18,870.64	2,593.47			105,902.94
			58,131.85	12,825.38	17,989.01	83,184.21
11,964.96	2,432.52	8,158.71	32,185.46	7,022.38	6,944.01	37,687.90
8,833.31	2,158.60	5,656.62	28,506.07	4,701.62	7,882.78	38,228.10
1,616.24	679.01	2,642.96	12,468.10	1,265.31	798.36	9,656.58
438.00	36.94	390.30	3,019.43	357.68	1,146.39	12,869.24
					4,137.68	
48,246.63	9,755.71	36,127.02	138,048.56	43,913.87	38,898.23	339,835.12
21,811.50	2,679.42	6,136.20	31,082.40	11,556.31	3,810.29	73,077.95
26,435.13	7,076.29	29,990.82	106,966.16	32,357.56	35,087.94	266,757.17
351.14	3,488.74	2,523.40	48,595.78	7,036.55	10,739.66	47,017.98
7,000.00	2,500.00	2,500.00	15,000.00			87,000.00
17.85	268.17	618.31	632.50	1,084.64	3,256.35	5,159.44
1,860.71			6,134.29	381.78		13,919.68
			250.00			79.66
						1,450.00
35,664.83	13,333.20	35,632.53	177,578.73	40,860.53	49,083.95	421,383.93
16,856.96	5,509.41	22,555.80	89,469.89	25,310.25	2,249.36	596,715.83
52,521.79	18,842.61	58,188.33	267,048.62	66,170.78	51,333.31	1,018,099.76
					22,300.00	
	96.30	122.11	154.19	61.14	1,797.97	83.53
520.00	60.00	104.89	2,100.14	90.28	440.00	1,433.71
520.00	156.30	227.00	2,254.33	151.42	24,537.97	1,517.24
16,856.96	5,509.41	22,555.80	89,469.89	25,310.25	2,249.36	596,715.83
	81.02	295.87	98.71	23.40		
16,856.96	5,590.43	22,851.67	89,568.60	25,333.65	2,249.36	596,715.83
15,091.58	5,346.73	13,642.40	47,724.76	13,122.36	2,700.00	32,186.21
20,053.25	7,749.15	21,467.26	127,500.93	27,568.35	21,845.98	388,113.54
				5.00		433.06
35,144.83	13,095.88	35,109.66	175,225.69	40,685.71	24,545.98	419,866.69
52,521.79	18,842.61	58,188.33	267,048.62	66,170.78	51,333.31	1,018,099.76

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Midland	Mildmay	Millbrook	Milton	Milverton
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....	26,727.00			17,085.21	761.88
Substation equipment.....	168,946.34			47,949.60	
Distribution system, overhead....	162,854.23	11,434.82	14,666.02	61,439.31	18,879.22
Distribution system, underground..					
Line transformers.....	68,002.78	12,032.23	6,117.21	35,768.79	19,917.52
Meters.....	67,167.14	6,594.96	4,955.51	25,188.51	10,068.75
Street light equipment, regular....	23,246.64	1,931.57	2,610.89	24,093.74	1,109.25
Miscellaneous construction expense	10,471.26	19.53	599.00	5,728.04	1,459.56
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....					
Total plant.....	527,415.39	32,013.11	28,948.63	217,253.20	52,196.18
Less reserve for depreciation.....	243,197.58	3,171.72	5,984.66	43,361.30	11,318.99
	284,217.81	28,841.39	22,963.97	173,891.90	40,877.19
Bank and cash balance.....	3,340.79	4,860.69	7,609.76	8,754.34	2.69
Securities and investments.....	87,000.00	10,500.00	4,000.00		4,000.00
Accounts receivable.....	6,342.39	26.05	253.99	1,846.36	384.00
Inventories.....	10,936.15		555.96	2,759.64	134.00
Sinking fund on local debentures..					
Other assets.....	3,234.09			53.50	
Frequency standardization expendi- ture in suspense.....				2,131.78	7,954.41
	395,071.23	44,228.13	35,383.68	189,437.52	53,352.29
Equity in H-E.P.C. systems.....	517,496.02	13,337.03	7,261.33	243,303.32	92,927.49
Total.....	912,567.25	57,565.16	42,645.01	432,740.84	146,279.78
LIABILITIES					
Debenture balance.....				25,171.22	
Accounts payable.....	9,712.95	850.81	302.75	276.17	174.65
Bank overdraft.....					12,030.79
Other liabilities.....	1,931.55	275.73	160.04	858.06	
Total liabilities.....	11,644.50	1,126.54	462.79	26,305.45	12,205.44
RESERVES					
For equity in H-E.P.C. systems....	517,496.02	13,337.03	7,261.33	243,303.32	92,927.49
Other reserves.....	1,302.06			200.33	
	518,798.08	13,337.03	7,261.33	243,503.65	92,927.49
SURPLUS					
Debentures paid.....	111,944.99	12,303.50	9,000.00	33,875.19	9,500.00
Local sinking fund.....					
Operating surplus.....	270,179.68	30,798.09	25,920.89	129,056.55	31,646.85
Net frequency standardization ex- pense charged this year.....					
Total surplus.....	382,124.67	43,101.59	34,920.89	162,931.74	41,146.85
Total.....	912,567.25	57,565.16	42,645.01	432,740.84	146,279.78

Utilities as at December 31, 1953

Mimico	Mitchell	Moorefield	Morrisburg	Mount Brydges	Mount Forest	Napanee
\$	\$	\$	\$	\$	\$	\$
106,243.19	27,909.49		13,586.69		3,726.00	25,762.32
101,200.16	20,150.19		4,499.48		686.75	2,358.27
145,274.02	47,649.83	6,606.90	24,285.49	15,570.60	36,095.19	85,715.89
95,830.67	32,266.61	2,819.19	13,498.96	7,253.92	22,226.89	34,572.20
84,375.07	22,261.07	2,358.59	14,229.11	5,788.27	19,171.90	32,037.27
15,667.68	9,218.44	406.36	7,908.38	1,903.17	5,409.11	8,897.60
18,951.41	12,708.08	71.27	5,736.02		1,974.32	14,949.65
567,542.20	172,163.71	12,262.31	83,744.13	30,515.96	89,290.16	204,293.20
105,140.70	35,508.72	3,914.54	5,453.58	6,765.37	26,150.98	41,362.94
462,401.50	136,654.99	8,347.77	78,290.55	23,750.59	63,139.18	162,930.26
38,101.95	100.00	3,112.79	2,320.69	2,096.48	23,981.34	25,357.96
40,000.00	9,600.00	2,500.00	16,000.00	1,000.00	20,000.00	12,800.00
4,064.02	7,468.88	33.22	2,551.36	1,197.40	503.86	16,018.60
2,802.54	16,259.12		4,688.67	504.65	29.75	11,182.46
1,518.48	348.01		438.00			827.06
		2,483.78				
548,888.49	170,431.00	16,477.56	104,289.27	28,549.12	107,654.13	229,116.34
350,831.03	110,954.75	14,712.01	19,055.70	18,280.28	85,130.73	125,916.71
899,719.52	281,385.75	31,189.57	123,344.97	46,829.40	192,784.86	355,033.05
117,000.00	23,300.00					
561.78	612.14		3,451.53	197.82	174.67	362.58
	5,154.84					
16,696.77	353.00	7.22	2,340.04	125.10	155.00	2,607.70
134,258.55	29,419.98	7.22	5,791.57	322.92	329.67	2,970.28
350,831.03	110,954.75	14,712.01	19,055.70	18,280.28	85,130.73	125,916.71
582.33	1,352.49			94.03		
351,413.36	112,307.24	14,712.01	19,055.70	18,374.31	85,130.73	125,916.71
135,000.00	23,995.22	4,500.00	31,636.00	4,220.00	25,351.63	70,000.00
301,536.26	126,381.81	11,970.34	66,861.70	23,912.17	81,972.83	156,146.06
22,488.65	10,718.50					
414,047.61	139,658.53	16,470.34	98,497.70	28,132.17	107,324.46	226,146.06
899,719.52	281,385.75	31,189.57	123,344.97	46,829.40	192,784.86	355,033.05

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Neustadt	Newboro	Newburgh	Newbury	Newcastle
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....					107.37
Substation equipment.....					
Distribution system, overhead....	14,897.38	12,779.92	18,253.91	8,334.83	24,286.27
Distribution system, underground..					
Line transformers.....	10,098.79	3,146.51	5,616.80	2,966.14	10,779.74
Meters.....	4,233.40	2,846.12	4,289.54	2,015.99	8,020.06
Street light equipment, regular....	1,923.96	1,123.62	1,312.74	894.16	2,513.78
Miscellaneous construction expense	263.86	1,339.57	283.84	44.73	804.07
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....					
Total plant.....	31,417.39	21,235.74	29,756.83	14,255.85	46,511.29
Less reserve for depreciation.....	8,247.26	1,961.20	12,270.04	7,548.65	16,410.18
	23,170.13	19,274.54	17,486.79	6,707.20	30,101.11
Bank and cash balance.....	1,338.07	3,571.95	1,341.10	5,376.21	6,744.60
Securities and investments.....	13,700.00	3,000.00	3,000.00	6,500.00	10,500.00
Accounts receivable.....	66.48	168.91	287.76	506.25	162.78
Inventories.....					1,757.65
Sinking fund on local debentures..					
Other assets.....		414.45			
Frequency standardization expendi- ture in suspense.....				33.00	
Equity in H-E.P.C. systems.....	38,274.68 13,728.52	26,429.85 721.57	22,115.65 1,207.28	19,122.66 10,228.64	49,266.14 13,879.65
Total.....	52,003.20	27,151.42	23,322.93	29,351.30	63,145.79
LIABILITIES					
Debenture balance.....		14,353.14	10,450.00		
Accounts payable.....		847.50	184.28		
Bank overdraft.....					
Other liabilities.....	373.85	88.00	114.00	67.84	
Total liabilities.....	373.85	15,288.64	10,748.28	67.84	
RESERVES					
For equity in H-E.P.C. systems....	13,728.52	721.57	1,207.28	10,228.64	13,879.65
Other reserves.....					
	13,728.52	721.57	1,207.28	10,228.64	13,879.65
SURPLUS					
Debentures paid.....	15,504.12	2,646.86	3,550.00	9,754.39	14,000.00
Local sinking fund.....					
Operating surplus.....	22,396.71	8,494.35	7,817.37	9,300.43	35,266.14
Net frequency standardization ex- pense charged this year.....					
Total surplus.....	37,900.83	11,141.21	11,367.37	19,054.82	49,266.14
Total.....	52,003.20	27,151.42	23,322.93	29,351.30	63,145.79

Utilities as at December 31, 1953

New Hamburg	Newmarket	New Toronto	Niagara	Niagara Falls	North York Twp.	Norwich
\$	\$	\$	\$	\$	\$	\$
4,238.26	4,000.00	65,433.93	4,463.20	153,248.86	147,074.41	4,697.92
1,319.80	5,000.00	45,487.10	53,999.94	408,743.33	875,718.92	.....
40,050.14	118,718.18	176,149.88	62,658.84	357,745.79	3,050,346.00	17,062.82
.....	.....	17,198.72	.....	66,713.04	.....	.....
24,552.46	72,093.68	131,937.35	42,610.07	273,963.41	1,469,874.88	14,528.74
16,607.76	49,135.32	88,668.66	25,011.08	203,487.47	785,666.31	13,486.51
3,495.27	25,491.26	27,379.39	5,260.60	134,853.38	156.00	5,509.48
5,279.44	4,820.48	9,344.98	2,526.63	29,430.37	186,343.93	3,646.80
.....
.....
95,543.13	279,258.92	561,600.01	196,530.36	1,628,185.65	6,515,180.45	58,932.27
21,421.61	59,057.03	106,145.11	46,184.46	469,744.53	665,040.63	15,760.68
74,121.52	220,201.89	455,454.90	150,345.90	1,158,441.12	5,850,139.82	43,171.59
50.75	25.00	28,964.80	24,233.25	6,855.01	103,230.17	2,782.93
.....	.....	70,000.00	.....	135,000.00	10,000.00	10,000.00
1,196.03	6,849.91	5,057.97	5,460.74	5,895.59	186,828.80	1,318.27
2,102.87	91.28	15,578.97	12,973.87	47,431.72	148,040.05	2,572.80
.....
20.50	20.00	.....	.....	8,452.98	299.52	365.11
13,409.15	.....	.....	.....	.....	402,224.57	.....
90,900.82	227,188.08	575,056.64	193,013.76	1,362,076.42	6,700,762.93	60,210.70
113,691.33	58,581.38	1,184,720.72	83,439.52	1,269,311.70	932,413.88	82,861.90
204,592.15	285,769.46	1,759,777.36	276,453.28	2,631,388.12	7,633,176.81	143,072.60
.....
.....	53,409.64	.....	33,200.00	.....	3,813,152.34	.....
2,759.20	4,478.64	3.00	228.76	25,522.29	254,661.55	2,700.00
8,243.24	728.71	.....	.....	21,666.27	.....	.....
112.50	2,508.42	7,786.20	1,444.41	32,277.30	85,184.26	726.01
11,114.94	61,125.41	7,789.20	34,873.17	79,465.86	4,152,998.15	3,426.01
113,691.33	58,581.38	1,184,720.72	83,439.52	1,269,311.70	932,413.88	82,861.90
33.83	577.48	719.48	1,250.67	856.68	29,223.26	388.53
113,725.16	59,158.86	1,185,440.20	84,690.19	1,270,168.38	961,637.14	83,250.43
17,729.08	11,590.36	8,000.00	47,307.67	690,243.00	914,869.53	13,756.00
62,022.97	153,894.83	587,788.09	109,582.25	609,367.11	1,603,671.99	42,640.16
.....	.....	29,240.13	.....	17,856.23	.....	.....
79,752.05	165,485.19	566,547.96	156,889.92	1,281,753.88	2,518,541.52	56,396.16
204,592.15	285,769.46	1,759,777.36	276,453.28	2,631,388.12	7,633,176.81	143,072.60

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Norwood	Oakville	Oil Springs	Omemee
ASSETS	\$	\$	\$	\$
Lands and buildings.....		35,521.71	6,457.31	200.00
Substation equipment.....		137,824.59	2,461.78	769.83
Distribution system, overhead.....	56,027.80	203,831.73	18,188.70	23,196.92
Distribution system, underground.....		14,978.67		
Line transformers.....	11,971.68	107,861.09	9,673.56	10,663.34
Meters.....	10,386.17	81,412.84	5,790.28	6,267.51
Street light equipment, regular.....	7,644.90	28,856.23	1,015.13	2,771.61
Miscellaneous construction expense..	345.45	21,687.28	196.05	384.00
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	86,376.00	631,974.14	43,782.81	44,253.21
Less reserve for depreciation.....	11,478.52	129,930.36	17,120.30	15,983.99
	74,897.48	502,043.78	26,662.51	28,269.22
Bank and cash balance.....	4,598.72	94,049.07	5,208.22	4,315.56
Securities and investments.....			12,500.00	11,000.00
Accounts receivable.....	3,366.12	27,561.40	50.28	138.13
Inventories.....		31,512.55	397.02	
Sinking fund on local debentures.....				
Other assets.....		65.86	15.47	
Frequency standardization expenditure in suspense.....				
	82,862.32	655,232.66	44,833.50	43,722.91
Equity in H-E.P.C. systems.....	18,363.47	46,635.85	50,461.53	9,078.22
Total.....	101,225.79	701,868.51	95,295.03	52,801.13
LIABILITIES				
Debenture balance.....	16,000.00	348,000.00		
Accounts payable.....	848.39	42,094.07	55.00	374.51
Bank overdraft.....				
Other liabilities.....	523.87	6,745.00	40.00	157.83
Total liabilities.....	17,372.26	396,839.07	95.00	532.34
RESERVES				
For equity in H-E.P.C. systems.....	18,363.47	46,635.85	50,461.53	9,078.22
Other reserves.....		6,229.10		45.14
	18,363.47	52,864.95	50,461.53	9,123.36
SURPLUS				
Debentures paid.....	39,100.00	3,000.00	16,721.31	12,000.00
Local sinking fund.....				
Operating surplus.....	26,390.06	249,186.13	28,017.19	31,145.43
Net frequency standardization expense charged this year.....		21.64		
Total surplus.....	65,490.06	252,164.49	44,738.50	43,145.43
Total.....	101,225.79	701,868.51	95,295.03	52,801.13

Utilities as at December 31, 1953

Orange- ville	Orono	Oshawa	Ottawa	Otterville	Owen Sound	Paisley
\$	\$	\$	\$	\$	\$	\$
2,585.07		217,375.28	2,200,772.18	738.91	74,667.03	
		463,486.84	4,341,369.01		107,529.45	1,923.46
75,203.91	15,247.65	883,881.81	3,351,922.66	14,550.08	268,087.40	22,483.83
		248,316.69	849,739.63		17,216.10	
38,150.76	9,822.60	356,638.45	2,339,735.20	12,070.76	117,325.64	9,786.68
26,932.64	5,957.60	307,732.60	1,219,278.33	5,607.37	119,213.43	6,915.21
27,291.48	2,342.07	192,391.17	434,004.28	1,979.19	65,387.64	3,124.45
1,237.99	1,641.19	79,333.26	126,458.09	836.22	11,393.44	228.12
			1,732,299.79			
171,401.85	35,011.11	2,749,156.10	16,595,579.17	35,782.53	780,820.13	44,461.75
36,567.23	6,507.50	477,117.22	4,178,268.83	10,678.44	129,104.19	8,130.02
134,834.62	28,503.61	2,272,038.88	12,417,310.34	25,104.09	651,715.94	36,331.73
2,432.30	2,247.91	108,968.80	592,245.58	1,471.84	35,090.00	6,825.75
11,000.00	8,000.00	350,000.00	313,000.00	2,000.00	70,000.00	4,500.00
1,855.65	216.95	161,571.58	625,291.67	184.69	44,403.42	77.50
8,778.80	1,276.98	82,777.47	383,878.23	201.00	43,532.51	425.00
1,713.39	560.96	4,707.82	6,262.46			
160,614.76	40,806.41	2,980,064.55	14,337,988.28	28,961.62	844,741.87	48,159.98
116,436.69	6,529.52	1,613,494.47	1,275,416.39	21,402.69	605,521.57	26,923.85
277,051.45	47,335.93	4,593,559.02	15,613,404.67	50,364.31	1,450,263.44	75,083.83
		200,000.00	5,894,000.00		83,500.00	
450.41		151,945.16	476,294.00	15.24	32,324.11	929.41
1,203.00		44,575.39	112,711.50	111.38	15,209.12	112.42
1,653.41		396,520.55	6,483,005.50	126.62	131,033.23	1,041.83
116,436.69	6,529.52	1,613,494.47	1,275,416.39	21,402.69	605,521.57	26,923.85
40.38		78,244.70	304,962.34	15.54	1,748.73	
116,477.07	6,529.52	1,691,739.17	1,580,378.73	21,418.23	607,270.30	26,923.85
25,594.32	8,000.00	302,622.40	2,086,000.00	4,500.00	124,218.00	13,623.35
133,326.65	32,806.41	2,202,676.90	5,464,020.44	24,380.46	587,741.91	33,494.80
				61.00		
158,920.97	40,806.41	2,505,299.30	7,550,020.44	28,819.46	711,959.91	47,118.15
277,051.45	47,335.93	4,593,559.02	15,613,404.67	50,364.31	1,450,263.44	75,083.83

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Palmerston	Paris	Parkhill	Parry Sound
ASSETS	\$	\$	\$	\$
Lands and buildings.....	247.25	13,837.77		20,310.09
Substation equipment.....		81,662.04		29,078.35
Distribution system, overhead.....	41,475.71	98,688.61	32,135.27	74,859.75
Distribution system, underground.....				
Line transformers.....	26,342.54	61,929.89	17,950.20	43,809.97
Meters.....	15,948.66	31,690.41	10,341.07	40,665.58
Street light equipment, regular.....	13,149.28	20,009.86	9,152.90	21,334.39
Miscellaneous construction expense..	2,152.05	7,631.71	681.39	7,836.26
Steam or hydraulic plant.....				373,137.39
Old plant.....				
Other capital assets.....				
Total plant.....	99,315.49	315,450.29	70,260.83	611,031.78
Less reserve for depreciation.....	31,122.55	92,916.37	7,930.39	131,271.29
	68,192.94	222,533.92	62,330.44	479,760.49
Bank and cash balance.....	1,054.06	11,535.18	7,817.32	3,285.45
Securities and investments.....	20,600.00		6,000.00	37,800.00
Accounts receivable.....	663.12	1,027.76	212.68	4,603.71
Inventories.....	8,572.26	491.44		124.50
Sinking fund on local debentures.....				
Other assets.....	56.00	90.30	3.49	7,510.73
Frequency standardization expenditure in suspense.....	11,551.30	1,420.00		
	110,689.68	237,098.60	76,363.93	533,084.88
Equity in H-E.P.C. systems.....	101,309.52	263,184.04	47,571.33	9,383.39
Total.....	211,999.20	500,282.64	123,935.26	542,468.27
LIABILITIES				
Debenture balance.....		23,400.00	13,200.00	
Accounts payable.....	316.42	1,331.92	549.74	138.98
Bank overdraft.....				
Other liabilities.....	288.36		448.73	7,107.81
Total liabilities.....	604.78	24,731.92	14,198.47	7,246.79
RESERVES				
For equity in H-E.P.C. systems.....	101,309.52	263,184.04	47,571.33	9,383.39
Other reserves.....	263.97	95.97		150.00
	101,573.49	263,280.01	47,571.33	9,533.39
SURPLUS				
Debentures paid.....	27,000.00	93,600.00	16,430.02	388,500.00
Local sinking fund.....				
Operating surplus.....	82,820.93	118,670.71	45,735.44	137,188.09
Net frequency standardization expense charged this year.....				
Total surplus.....	109,820.93	212,270.71	62,165.46	525,688.09
Total.....	211,999.20	500,282.64	123,935.26	542,468.27

Utilities as at December 31, 1953

Penetang- uishene	Perth	Peter- borough	Petrolia	Picton	Plattsville	Point Edward
\$	\$	\$	\$	\$	\$	\$
2,348.68	22,305.80	240,595.24	39,517.89	15,061.79		
15,034.99	19,218.26	674,216.08	4,971.75	52,552.35		
78,406.83	90,999.35	1,021,726.85	76,943.58	71,891.13	9,420.56	57,347.77
		52,947.82				
37,209.64	56,293.48	420,109.63	50,246.60	38,829.77	6,544.25	23,373.45
29,774.01	35,454.14	281,756.07	28,988.51	38,043.88	4,445.48	19,386.01
13,211.70	29,823.74	159,911.61	12,479.93	11,509.76	195.70	10,096.87
1,487.28	7,743.36	34,462.87	7,199.55	2,988.86		1,213.15
177,473.13	261,838.13	2,885,726.17	220,347.81	230,877.54	20,605.99	111,417.25
65,674.47	73,701.35	567,057.90	61,735.55	63,891.17	3,275.70	24,541.99
111,798.66	188,136.78	2,318,668.27	158,612.26	166,986.37	17,330.29	86,875.26
2,050.37		80,898.38	7,079.54	20,676.97	8,877.10	35,578.92
55,000.00	81,000.00			3,500.00	4,500.00	25,000.00
1,795.80	1,301.74	100,500.94	5,433.85	501.63	79.85	3,342.41
440.12	14,224.09	58,235.93	19,291.19	9,017.28		6,209.51
5,268.13		1,296.06	467.75			2,161.30
					35.00	
176,353.08	284,662.61	2,559,599.58	190,884.59	200,682.25	30,822.24	159,167.40
150,799.82	182,802.93	1,064,270.38	222,254.19	151,437.88	24,724.88	182,288.45
327,152.90	467,465.54	3,623,869.96	413,138.78	352,120.13	55,547.12	341,455.85
8,000.00		506,900.00				
		264,931.82	2,638.00		1,349.55	1,852.18
1,365.00	2.34					
	3,962.39	2,506.06	2,457.43	6,957.85		694.87
9,365.00	3,964.73	774,337.88	5,095.43	6,957.85	1,349.55	2,547.05
150,799.82	182,802.93	1,064,270.38	222,254.19	151,437.88	24,724.88	182,288.45
781.75	6,585.10	1,071.34	63.00			113.07
151,581.57	189,388.03	1,065,341.72	222,317.19	151,437.88	24,724.88	182,401.52
36,982.95	85,045.30	543,710.67	50,000.00	3,182.32	5,237.00	17,000.00
129,223.38	189,067.48	1,240,479.69	135,726.16	190,542.08	24,235.69	139,507.28
166,206.33	274,112.78	1,784,190.36	185,726.16	193,724.40	29,472.69	156,507.28
327,152.90	467,465.54	3,623,869.96	413,138.78	352,120.13	55,547.12	341,455.85

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Port Colborne	Port Credit	Port Dalhousie	Port Dover	Port Elgin
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....	57,310.72	5,778.09	5,630.49	248.75	14,173.78
Substation equipment.....					
Distribution system, overhead....	238,324.03	118,930.99	57,846.39	75,425.68	46,466.19
Distribution system, underground.					
Line transformers.....	111,334.46	63,134.30	33,048.64	38,188.25	26,379.55
Meters.....	77,125.77	41,966.92	24,113.72	24,611.84	18,370.25
Street light equipment, regular....	16,613.20	9,783.28	3,278.94	4,402.70	5,732.05
Miscellaneous construction expense	38,715.76	7,646.88	4,220.58	4,531.07	1,505.96
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....		950.06			
Total plant.....	539,423.94	248,190.52	128,138.76	147,408.29	112,627.78
Less reserve for depreciation.....	78,970.01	38,204.20	15,008.26	38,066.64	13,886.54
	460,453.93	209,986.32	113,130.50	109,341.65	98,741.24
Bank and cash balance.....	140.00		1,453.87	9,384.13	2,332.76
Securities and investments.....	15,000.00	1,000.00			4,500.00
Accounts receivable.....	1,239.37	4,875.59	3,840.82	3,395.19	543.18
Inventories.....	7,671.39	8,808.17	3,008.71		1,313.84
Sinking fund on local debentures..					
Other assets.....	383.61		146.79	179.30	
Frequency standardization expendi- ture in suspense.....				151.00	
	484,888.30	224,670.08	121,580.69	122,451.27	107,431.02
Equity in H-E.P.C. systems.....	302,708.02	114,032.92	98,307.66	70,963.13	46,833.57
Total.....	787,596.32	338,703.00	219,888.35	193,414.40	154,264.59
LIABILITIES					
Debenture balance.....		68,955.58	10,892.13	20,000.00	
Accounts payable.....	979.21	4,794.42	687.67	4,573.43	4,076.04
Bank overdraft.....	24,726.29	1,938.86			
Other liabilities.....	7,156.43	3,576.40	2,206.78	1,264.80	
Total liabilities.....	32,861.93	79,265.26	13,786.58	25,838.23	4,076.04
RESERVES					
For equity in H-E.P.C. systems....	302,708.02	114,032.92	98,307.66	70,963.13	46,833.57
Other reserves.....	161.03	550.00	214.16	668.67	
	302,869.05	114,582.92	98,521.82	71,631.80	46,833.57
SURPLUS					
Debentures paid.....	178,000.00	30,544.42	28,607.87	29,000.00	37,787.00
Local sinking fund.....					
Operating surplus.....	273,865.34	128,622.29	78,972.08	66,944.37	65,567.98
Net frequency standardization ex- pense charged this year.....		14,311.89			
Total surplus.....	451,865.34	144,854.82	107,579.95	95,944.37	103,354.98
Total.....	787,596.32	338,703.00	219,888.35	193,414.40	154,264.59

Utilities as at December 31, 1953

Port Hope	Port McNicoll	Port Perry	Port Rowan	Port Stanley	Prescott	Preston
\$	\$	\$	\$	\$	\$	\$
18,685.52				1,574.60	2,761.54	53,468.92
27,998.66						191,963.00
111,410.19	26,686.28	49,226.78	20,484.91	59,103.46	78,417.58	157,292.51
64,827.05	5,214.96	18,183.93	8,381.98	33,053.69	43,305.65	121,258.95
65,610.49	8,019.11	13,772.93	4,603.13	21,928.14	32,529.88	64,459.70
15,624.64	1,296.72	3,416.40	1,446.81	5,396.93	8,935.49	15,608.45
14,228.66	1,163.06	378.21	362.74	3,440.20	5,250.77	17,514.35
						16,484.00
318,385.21	42,380.13	84,978.25	35,279.57	124,497.02	171,200.91	638,049.88
64,570.80	6,611.24	11,984.58	5,494.64	28,660.80	64,850.86	131,076.02
253,814.41	35,768.89	72,993.67	29,784.93	95,836.22	106,350.05	506,973.86
25,420.30	7,448.97	1,628.13	4,305.48	50.00	23,204.19	3,455.77
	1,000.00	16,000.00		18,000.00		
912.37	618.62	1,019.51	1,653.10	1,504.15	8,787.98	14,821.60
14,937.26	234.90			154.00	5,914.41	23,254.88
469.78		1,269.80	10.00	355.91	300.00	3,478.13
			141.48			14,081.76
295,554.12	45,071.38	92,911.11	35,894.99	115,900.28	144,556.63	566,066.00
211,694.93	20,246.00	46,959.73	18,096.09	101,418.95	131,320.80	592,237.01
507,249.05	65,317.38	139,870.84	53,991.08	217,319.23	275,877.43	1,158,303.01
12,400.00	1,800.00				8,800.00	235,900.00
	469.45	2,135.41	186.70		7,805.06	32,385.42
17,587.27	453.57	695.55	295.00	1,126.61		
				353.00	1,662.40	3,084.91
29,987.27	2,723.02	2,830.96	481.70	1,479.61	18,267.46	271,370.33
211,694.93	20,246.00	46,959.73	18,096.09	101,418.95	131,320.80	592,237.01
1,240.40	75.00			363.74		580.89
212,935.33	20,321.00	46,959.73	18,096.09	101,782.69	131,320.80	592,817.90
81,600.00	8,003.58	19,881.66	11,000.00	18,950.00	15,370.99	166,900.00
182,726.45	34,269.78	70,198.49	24,413.29	95,666.93	110,918.18	127,214.78
				560.00		
264,326.45	42,273.36	90,080.15	35,413.29	114,056.93	126,289.17	294,114.78
507,249.05	65,317.38	139,870.84	53,991.08	217,319.23	275,877.43	1,158,303.01

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Priceville	Princeton	Queenston	Renfrew
ASSETS	\$	\$	\$	\$
Lands and buildings.....	68.00			9,393.89
Substation equipment.....				65,497.62
Distribution system, overhead.....	10,342.83	11,604.85	13,631.93	128,989.62
Distribution system, underground.....				
Line transformers.....	2,706.93	5,673.44	5,099.75	80,966.59
Meters.....	1,008.88	3,426.95	3,467.89	57,826.42
Street light equipment, regular.....	854.96	572.92	649.05	43,236.43
Miscellaneous construction expense.....	147.20		50.00	9,451.35
Steam or hydraulic plant.....				551,784.09
Old plant.....				
Other capital assets.....				63,153.22
Total plant.....	15,128.30	21,278.16	22,898.62	1,010,299.23
Less reserve for depreciation.....	2,589.34	3,402.55	4,191.22	141,869.93
	12,538.96	17,875.61	18,707.40	868,429.30
Bank and cash balance.....	4,163.78	1,140.52	1,132.81	
Securities and investments.....		6,000.00	6,500.00	
Accounts receivable.....	19.71	778.15	172.69	24,194.76
Inventories.....				25,433.91
Sinking fund on local debentures.....				
Other assets.....				
Frequency standardization expenditure in suspense.....		24.00	164.00	
	16,722.45	25,818.28	26,676.90	918,057.97
Equity in H-E.P.C. systems.....	2,300.87	23,411.64	16,602.85	25,441.51
Total.....	19,023.32	49,229.92	43,279.75	943,499.48
LIABILITIES				
Debenture balance.....	5,175.00			203,869.84
Accounts payable.....	1,276.21	551.96	7.61	10,748.79
Bank overdraft.....				11,790.69
Other liabilities.....			190.00	
Total liabilities.....	6,451.21	551.96	197.61	226,409.32
RESERVES				
For equity in H-E.P.C. systems.....	2,300.87	23,411.64	16,602.85	25,441.51
Other reserves.....				562.14
	2,300.87	23,411.64	16,602.85	26,003.65
SURPLUS				
Debentures paid.....	6,991.10	3,550.00	9,500.00	507,366.89
Local sinking fund.....				
Operating surplus.....	3,280.14	21,716.32	16,979.29	183,719.62
Net frequency standardization expense charged this year.....				
Total surplus.....	10,271.24	25,266.32	26,479.29	691,086.51
Total.....	19,023.32	49,229.92	43,279.75	943,499.48

Utilities as at December 31, 1953

Richmond	Richmond Hill	Ridgetown	Ripley	Riverside	Rockwood	Rodney
\$	\$	\$	\$	\$	\$	\$
.....	60.00	5,181.10	.....	12,861.37	.....	.....
.....	600.00	1,024.24	.....	8,849.98	.....	.....
12,559.74	72,231.17	52,839.59	15,864.30	194,568.09	14,739.07	17,204.80
.....
8,675.26	60,936.17	26,706.41	7,733.59	84,839.82	7,626.77	12,802.11
4,865.05	32,987.58	16,421.16	4,106.57	73,970.83	6,080.43	7,951.90
381.43	6,341.63	8,789.25	2,188.74	.....	1,376.34	4,111.99
216.35	1,345.55	300.54	.....	8,548.88	.....	147.11
.....
.....
.....
26,697.83	174,502.10	111,262.29	29,893.20	383,638.97	29,822.61	42,217.91
3,811.88	29,416.42	17,407.42	4,150.24	79,412.33	10,929.83	11,903.06
.....
22,885.95	145,085.68	93,854.87	25,742.96	304,226.64	18,892.78	30,314.85
.....
166.41	12,691.68	50.00	10,317.39	200.00	3,862.03	779.07
.....	.....	.....	.....	.....	3,300.00	8,200.00
802.21	1,255.39	946.08	150.02	18,332.08	2.50	184.83
.....	.....	496.42	.....	14,234.59	88.83	.....
.....
.....	1,500.00	21.50	.....	271.13	13.34	.....
.....
.....	.....	.....	.....	10,721.69	.....	.....
.....
23,854.57	160,532.75	95,368.87	36,210.37	347,986.13	26,159.48	39,478.75
10,019.69	60,468.69	98,759.03	19,903.58	210,850.71	26,290.48	32,123.64
.....
33,874.26	221,001.44	194,127.90	56,113.95	558,836.84	52,449.96	71,602.39
.....
.....
.....	69,348.13	.....	.....	37,511.09	.....	.....
1,282.42	16,811.29	3,563.38	372.52	33,811.62	326.55	2,071.57
.....	.....	3,813.70	.....	6,990.63	.....	.....
190.45	3,365.74	1,492.50	701.63	3,784.60	313.93	345.00
.....
1,472.87	89,525.16	8,869.58	1,074.15	82,097.94	640.48	2,416.57
.....
10,019.69	60,468.69	98,759.03	19,903.58	210,850.71	26,290.48	32,123.64
.....	1,024.50	205.93	.....	530.19	.....	73.15
.....
10,019.69	61,493.19	98,964.96	19,903.58	211,380.90	26,290.48	32,196.79
.....
5,887.33	12,851.87	19,455.99	12,744.49	89,988.91	4,500.00	8,500.00
16,494.37	57,131.22	67,461.29	22,391.73	198,621.94	21,019.00	28,499.03
.....	.....	623.92	.....	23,252.85	.....	10.00
.....
22,381.70	69,983.09	86,293.36	35,136.22	265,358.00	25,519.00	36,989.03
.....
33,874.26	221,001.44	194,127.90	56,113.95	558,836.84	52,449.96	71,602.39

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Rosseau	Russell	St. Catharines	St. Clair Beach
	\$	\$	\$	\$
ASSETS				
Lands and buildings.....			99,488.17	
Substation equipment.....			392,655.65	
Distribution system, overhead.....	10,251.80	15,954.12	589,108.73	21,748.50
Distribution system, underground.....				
Line transformers.....	4,484.63	5,378.42	567,967.32	8,575.91
Meters.....	1,728.89	3,970.27	327,060.16	5,404.66
Street light equipment, regular.....	716.72	1,573.39	53,154.25	1,904.65
Miscellaneous construction expense..	1,121.23	179.87	23,912.40	
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	18,303.27	27,056.07	2,053,346.68	37,633.72
Less reserve for depreciation.....	4,818.57	2,693.83	461,046.66	8,983.62
	13,484.70	24,362.24	1,592,300.02	28,650.10
Bank and cash balance.....	1,143.46	10,126.72	200.00	
Securities and investments.....	1,500.00	1,000.00	150,000.00	
Accounts receivable.....	214.42	970.80	144,139.89	1,599.10
Inventories.....			54,416.13	
Sinking fund on local debentures.....				
Other assets.....			3,181.26	
Frequency standardization expenditure in suspense.....				2,355.58
	16,342.58	36,459.76	1,944,237.30	32,604.78
Equity in H-E.P.C. systems.....	9,452.65	13,947.15	1,920,287.41	17,105.91
Total.....	25,795.23	50,406.91	3,864,524.71	49,710.69
LIABILITIES				
Debenture balance.....				
Accounts payable.....	308.39	109.37	134,134.38	88.15
Bank overdraft.....			155,079.30	4,074.83
Other liabilities.....	40.00	130.00	30,768.50	165.00
Total liabilities.....	348.39	239.37	319,982.18	4,327.98
RESERVES				
For equity in H-E.P.C. systems.....	9,452.65	13,947.15	1,920,287.41	17,105.91
Other reserves.....	68.74		3,202.67	34.74
	9,521.39	13,947.15	1,923,490.08	17,140.65
SURPLUS				
Debentures paid.....	13,000.00	8,808.12	302,022.91	6,341.45
Local sinking fund.....				
Operating surplus.....	2,925.45	27,412.27	1,334,137.25	21,900.61
Net frequency standardization expense charged this year.....			15,107.71	
Total surplus.....	15,925.45	36,220.39	1,621,052.45	28,242.06
Total.....	25,795.23	50,406.91	3,864,524.71	49,710.69

Utilities as at December 31, 1953

St. George	St. Jacobs	St. Mary's	St. Thomas	Sarnia	Scarborough Twp.
\$	\$	\$	\$	\$	\$
		21,611.43	192,435.28	227,641.56	631,176.68
		46,579.17	186,795.86	412,332.05	370,689.02
11,427.37	15,477.90	109,908.19	227,712.08	664,754.11	1,531,652.60
			101,034.54	240,547.42	
9,173.62	11,984.55	64,531.86	142,667.86	330,443.32	921,782.95
5,465.55	5,153.29	40,361.08	104,236.90	315,098.61	475,965.35
2,306.53	560.54	10,255.26	43,913.31	69,641.58	124,054.79
211.00	24.50	16,890.35	19,199.04	88,385.78	215,469.30
28,584.07	33,200.78	310,137.34	1,017,994.87	2,348,844.43	4,270,790.69
4,035.18	6,502.69	82,237.77	305,149.55	439,078.81	241,071.20
24,548.89	26,698.09	227,899.57	712,845.32	1,909,765.62	4,029,719.49
4,536.11	919.27	20,329.62	300.00	300.00	291,828.38
12,000.00	10,000.00	22,500.00	30,000.00		
1,592.02	481.97	5,407.49	44,077.38	177,325.12	488,188.16
		8,893.32	44,082.59	103,507.86	117,757.48
	25.00	839.73	1,440.75	17,963.25	1,976.78
	3,662.56		12,642.70		
42,677.02	41,786.89	285,869.73	845,388.74	2,208,861.85	4,929,470.29
32,155.89	40,898.53	296,265.19	1,139,157.24	1,521,412.99	660,623.52
74,832.91	82,685.42	582,134.92	1,984,545.98	3,730,274.84	5,590,093.81
		69,772.13		375,700.00	2,963,000.00
44.80	5,330.79	477.46		311,349.60	224,662.99
			37,574.82	164,132.36	
675.00		1,699.00	28,584.25	32,362.15	267,035.26
719.80	5,330.79	71,948.59	66,159.07	883,544.11	3,454,698.25
32,155.89	40,898.53	296,265.19	1,139,157.24	1,521,412.99	660,623.52
		701.02	331.01	18,585.25	34,998.09
32,155.89	40,898.53	296,966.21	1,139,488.25	1,539,998.24	695,621.61
6,000.00	6,000.00	124,488.25	138,944.07	412,300.00	417,568.27
35,957.22	30,456.10	110,213.99	640,943.92	894,432.49	1,022,205.68
		21,482.12	989.33		
41,957.22	36,456.10	213,220.12	778,898.66	1,306,732.49	1,439,773.95
74,832.91	82,685.42	582,134.92	1,984,545.98	3,730,274.84	5,590,093.81

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Seaforth	Shelburne	Simcoe	Smith's Falls
ASSETS	\$	\$	\$	\$
Lands and buildings.....	3,027.80	800.00	12,797.99	66,365.03
Substation equipment.....	22,323.51	566.60	77,309.42	76,257.78
Distribution system, overhead.....	52,995.51	35,142.59	113,261.82	144,619.27
Distribution system, underground.....			1,412.24	
Line transformers.....	30,087.81	21,033.86	98,825.77	87,762.99
Meters.....	20,313.86	13,018.49	63,987.14	62,712.79
Street light equipment, regular.....	8,611.42	9,823.41	46,075.67	33,891.65
Miscellaneous construction expense.....	2,657.28	140.08	15,458.12	6,143.18
Steam or hydraulic plant.....				
Old plant.....				16,601.88
Other capital assets.....				
Total plant.....	140,017.19	80,525.03	429,128.17	494,354.57
Less reserve for depreciation.....	13,856.24	22,638.03	98,450.71	114,362.94
	126,160.95	57,887.00	330,677.46	379,991.63
Bank and cash balance.....	18,819.99	4,201.35	30.00	1,501.08
Securities and investments.....	9,000.00			17,000.00
Accounts receivable.....	5,329.77	1,193.11	2,999.72	1,037.04
Inventories.....	523.44		17,877.63	14,664.37
Sinking fund on local debentures.....				
Other assets.....	215.70	440.00	16,372.22	
Frequency standardization expenditure in suspense.....			2,079.00	
	160,049.85	63,721.46	370,036.03	414,194.12
Equity in H-E.P.C. systems.....	142,084.98	46,963.40	289,662.49	277,575.58
Total.....	302,134.83	110,684.86	659,698.52	691,769.70
LIABILITIES				
Debenture balance.....	40,389.15			25,000.00
Accounts payable.....	1,191.07	2,787.61	799.43	
Bank overdraft.....			3,360.82	
Other liabilities.....	1,729.06	101.00	4,299.46	439.18
Total liabilities.....	43,309.28	2,888.61	8,459.71	25,439.18
RESERVES				
For equity in H-E.P.C. systems.....	142,084.98	46,963.40	289,662.49	277,575.58
Other reserves.....				1,081.83
	142,084.98	46,963.40	289,662.49	278,657.41
SURPLUS				
Debentures paid.....	34,610.85	16,991.04	75,434.90	122,787.33
Local sinking fund.....				
Operating surplus.....	93,512.54	43,841.81	286,141.42	264,885.78
Net frequency standardization expense charged this year.....	11,382.82			
Total surplus.....	116,740.57	60,832.85	361,576.32	387,673.11
Total.....	302,134.83	110,684.86	659,698.52	691,769.70

Utilities as at December 31, 1953

Smithville	Southampton	Springfield	Stamford Twp.	Stayner	Stirling
\$	\$	\$	\$	\$	\$
.....	6,369.30	.....	35,597.18	.....	9,266.88
18,788.64	53,143.47	15,779.27	138,803.25	.....	33,825.83
.....	.....	.....	497,019.12	33,261.37	13,245.76
7,240.77	29,926.45	7,364.12	252,998.10	16,722.90	10,554.76
6,925.21	18,941.86	3,139.60	180,625.37	13,651.95	10,198.46
1,871.10	8,989.85	1,871.02	35,561.69	7,535.84	3,559.79
2,169.42	1,078.55	123.97	32,953.42	564.38	1,220.36
.....
.....
36,995.14	118,449.48	28,277.98	1,173,558.13	71,736.44	81,871.84
8,201.83	9,197.44	6,817.03	199,007.72	12,662.40	25,498.24
28,793.31	109,252.04	21,460.95	974,550.41	59,074.04	56,373.60
2,109.87	15.00	6,434.21	66,788.47	1,036.78	14,509.73
12,500.00	.....	500.00	6,000.00	4,000.00	.....
159.76	629.25	131.93	10,428.70	2,297.12	2,676.90
484.00	.....	.....	44,598.42	.....	1,616.74
.....	.....	.....	2,573.85	.....	.....
.....	.....	.....	1,975.00	.....	.....
44,046.94	109,896.29	28,527.09	1,106,914.85	66,407.94	75,176.97
12,775.22	45,497.30	19,810.46	273,485.76	41,878.82	27,138.55
56,822.16	155,393.59	48,337.55	1,380,400.61	108,286.76	102,315.52
.....
85.32	950.58	29.22	522,927.36	.....	13,000.00
.....	127.74	.....	3,456.37	4,525.11	.....
51.00	6,129.17	35.00	11,323.24	329.18	460.93
136.32	7,207.49	64.22	537,706.97	4,854.29	13,460.93
12,775.22	45,497.30	19,810.46	273,485.76	41,878.82	27,138.55
.....	.....	13.86	28,368.74	25.20	.....
12,775.22	45,497.30	19,824.32	301,854.50	41,904.02	27,138.55
15,000.00	30,522.93	9,500.00	292,350.81	9,557.26	10,000.00
28,910.62	72,165.87	19,042.77	258,324.71	51,971.19	51,716.04
.....	.....	93.76	9,836.38	.....	.....
43,910.62	102,688.80	28,449.01	540,839.14	61,528.45	61,716.04
56,822.16	155,393.59	48,337.55	1,380,400.61	108,286.76	102,315.52

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Stoney Creek	Stouffville	Stratford	Strathroy
ASSETS	\$	\$	\$	\$
Lands and buildings.....			143,651.24	15,029.34
Substation equipment.....			285,475.74	64,691.24
Distribution system, overhead.....	67,833.38	30,036.78	208,334.97	81,853.94
Distribution system, underground.....			22,971.15	
Line transformers.....	55,858.69	24,143.03	208,849.71	54,441.19
Meters.....	27,464.51	12,540.17	138,227.68	30,616.08
Street light equipment, regular.....	5,798.71	2,673.75	22,991.41	9,753.71
Miscellaneous construction expense.....	1,122.64		47,765.48	17,676.52
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	158,077.93	69,393.73	1,078,267.38	274,062.02
Less reserve for depreciation.....	10,104.46	10,644.17	520,156.11	66,138.54
	147,973.47	58,749.56	558,111.27	207,923.48
Bank and cash balance.....	10,842.44	1,797.84	6,216.66	84.29
Securities and investments.....		4,000.00	244,000.00	
Accounts receivable.....	323.81	178.15	25,133.13	986.22
Inventories.....			50,883.20	667.45
Sinking fund on local debentures.....			47,690.13	
Other assets.....			3,537.83	462.04
Frequency standardization expenditure in suspense.....			111,384.02	
	159,139.72	64,725.55	1,046,956.24	210,123.48
Equity in H-E.P.C. systems.....	11,814.90	49,081.47	1,302,488.06	212,677.37
Total.....	170,954.62	113,807.02	2,349,444.30	422,800.85
LIABILITIES				
Debenture balance.....	62,415.09		50,000.00	
Accounts payable.....	18,505.03	4,838.31	2,551.05	4,071.61
Bank overdraft.....			3,038.83	
Other liabilities.....	653.00	1,129.41	9,221.66	2,051.59
Total liabilities.....	81,573.12	5,967.72	64,811.54	6,123.20
RESERVES				
For equity in H-E.P.C. systems.....	11,814.90	49,081.47	1,302,488.06	212,677.37
Other reserves.....	1,034.81	50.96	2,597.77	121.05
	12,849.71	49,132.43	1,305,085.83	212,798.42
SURPLUS				
Debentures paid.....	7,584.91	14,673.90	405,800.00	53,888.85
Local sinking fund.....			47,690.13	
Operating surplus.....	68,946.88	44,032.97	526,056.80	149,990.38
Net frequency standardization expense charged this year.....				
Total surplus.....	76,531.79	58,706.87	979,546.93	203,879.23
Total.....	170,954.62	113,807.02	2,349,444.30	422,800.85

Utilities as at December 31, 1953

Streetsville	Sunderland	Sundridge	Sutton	Swansea	Tara
\$	\$	\$	\$	\$	\$
12,960.05				6,383.14	
1,172.04				88,195.10	
27,222.87	12,471.66	20,794.53	36,444.59	156,465.72	18,779.72
20,652.81	5,442.29	10,632.09	28,908.17	81,598.24	5,665.52
11,282.08	4,902.80	3,720.82	18,321.98	59,903.97	4,458.90
5,331.36	2,414.37	1,266.67	3,443.64	25,237.20	2,782.30
158.35	379.24	2,395.82	1,525.67	17,743.33	93.95
10,641.55		8,815.49			
89,421.11	25,610.36	47,625.42	88,644.05	435,526.70	31,780.39
11,477.37	5,535.72	2,827.00	19,229.86	61,829.43	5,674.77
77,943.74	20,074.64	44,798.42	69,414.19	373,697.27	26,105.62
200.29	5,799.28	1,465.13	5,198.52	103,482.39	8,136.67
3,096.85	448.17	240.77	7,000.00	2,381.53	190.83
53.79			2,908.12	157.42	
192.50				287.19	
81,487.17	26,322.09	46,504.32	84,520.83	287.19	
22,092.37	23,554.87	330.51	46,969.09	2,138.27	
103,579.54	49,876.96	46,834.83	131,489.92		
7,414.84	39.09	33,941.51		152,908.06	
737.69	10.00	3,049.00	2,130.77	211.11	
8,152.53	49.09	10.00	15.00	6,834.92	
22,092.37	23,554.87	37,000.51	2,145.77	159,954.09	
128.81	10.37	330.51	46,969.09	250,635.70	20,939.57
22,221.18	23,565.24		148.87	345.59	
17,545.08	4,627.78	330.51	47,117.96	250,981.29	20,939.57
55,660.75	21,634.85	1,058.49	25,325.00	99,758.90	14,263.64
		8,445.32	56,901.19	242,830.84	20,169.48
				20,745.35	
73,205.83	26,262.63	9,503.81	82,226.19	321,844.39	34,433.12
103,579.54	49,876.96	46,834.83	131,489.92	732,779.77	55,372.69

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Tavistock	Tecumseh	Teeswater	Thamesford
ASSETS	\$	\$	\$	\$
Lands and buildings.....	3,783.53	3,747.52	2,139.28	.....
Substation equipment.....	320.18	.....	.....	.....
Distribution system, overhead.....	28,290.68	77,013.53	29,608.22	17,308.14
Distribution system, underground.....	.....	.....	.....	.....
Line transformers.....	18,008.46	32,661.21	11,280.69	8,713.44
Meters.....	12,283.37	25,812.51	8,346.81	5,860.28
Street light equipment, regular.....	1,392.54	.....	4,404.10	944.09
Miscellaneous construction expense.....	5,858.45	1,195.69	255.15	125.74
Steam or hydraulic plant.....	.....	.....	.....	.....
Old plant.....	.....	.....	.....	.....
Other capital assets.....	.....	.....	.....	.....
Total plant.....	69,937.21	140,430.46	56,034.25	32,951.69
Less reserve for depreciation.....	18,992.97	36,623.60	11,295.66	5,799.77
	50,944.24	103,806.86	44,738.59	27,151.92
Bank and cash balance.....	523.25	50.00	2,922.57	.....
Securities and investments.....	.....	.....	11,000.00	.....
Accounts receivable.....	304.00	3,190.82	3.00	186.65
Inventories.....	2,848.02	1,349.57	.....	.....
Sinking fund on local debentures.....	.....	.....	.....	.....
Other assets.....	26.00	.....	.....	.....
Frequency standardization expenditure in suspense.....	.....	12,722.07	.....	.....
	54,645.51	121,119.32	58,664.16	27,338.57
Equity in H-E.P.C. systems.....	104,675.40	68,333.56	30,630.14	40,613.60
Total.....	159,320.91	189,452.88	89,294.30	67,952.17
LIABILITIES				
Debenture balance.....	19,328.35	.....	.....	2,800.00
Accounts payable.....	148.62	1,313.11	103.79	84.97
Bank overdraft.....	.....	1,875.28	.....	2,901.93
Other liabilities.....	.....	1,052.52	889.00	104.97
Total liabilities.....	19,476.97	4,240.91	992.79	5,891.87
RESERVES				
For equity in H-E.P.C. systems.....	104,675.40	68,333.56	30,630.14	40,613.60
Other reserves.....	858.46	494.01	.....	27.50
	105,533.86	68,827.57	30,630.14	40,641.10
SURPLUS				
Debentures paid.....	6,671.65	26,000.00	21,296.14	5,558.03
Local sinking fund.....	.....	.....	.....	.....
Operating surplus.....	31,501.13	90,384.40	36,375.23	15,861.17
Net frequency standardization expense charged this year.....	3,862.70	.....	.....	.....
Total surplus.....	34,310.08	116,384.40	57,671.37	21,419.20
Total.....	159,320.91	189,452.88	89,294.30	67,952.17

Utilities as at December 31, 1953

Thames- ville	Thedford	Thornbury	Thorndale	Thornton	Thorold
\$	\$	\$	\$	\$	\$
1,083.57					18,900.83
25,800.90	18,016.47	4,304.73 32,444.58	11,490.70	8,397.04	63,111.52 129,382.95
16,737.52	10,766.31	27,187.39	4,199.63	3,178.16	71,538.57
8,717.19	6,062.42	10,206.67	3,493.84	1,927.17	54,671.76
3,066.93	2,206.22	2,781.12	904.34	560.01	15,801.56
440.34	350.32	505.12	82.69		12,884.34
		36,000.00			
55,846.45	37,401.74	113,429.61	20,171.20	14,062.38	366,291.53
15,835.87	3,407.12	6,874.94	5,296.48	8,024.61	54,986.48
40,010.58	33,994.62	106,554.67	14,874.72	6,037.77	311,305.05
3,860.41	3,408.96	1,728.12	1,387.81	1,404.53	4,473.85
3,000.00	8,000.00		1,100.00		
1,307.49	210.94	2,042.55	845.31	223.92	12,159.97
		7.70			13,481.98
		400.00			113.30
48,178.48	45,614.52	110,733.04	18,207.84	7,666.22	341,534.15
41,763.60	24,515.90	5,285.76	19,730.70	7,819.29	275,799.12
89,942.08	70,130.42	116,018.80	37,938.54	15,485.51	617,333.27
351.32	95.90	33,289.97 4,176.06	37.56	356.42	58,087.43 25,850.59
848.94	224.33	160.00	51.57	50.00	3,923.50
1,200.26	320.23	37,626.03	89.13	406.42	87,861.52
41,763.60	24,515.90	5,285.76	19,730.70	7,819.29	275,799.12
137.92			27.73		2,114.00
41,901.52	24,515.90	5,285.76	19,758.43	7,819.29	277,913.12
11,187.80	16,500.00	52,710.03	3,086.48	7,199.65	6,912.57
35,652.50	28,794.29	20,396.98	15,004.50	60.15	244,646.00
46,840.30	45,294.29	73,107.01	18,090.98	7,259.80	251,558.63
89,942.08	70,130.42	116,018.80	37,938.54	15,485.51	617,333.27

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Tilbury	Tillsonburg	Toronto	Toronto Twp.
ASSETS	\$	\$	\$	\$
Lands and buildings.....	11,987.47	30,585.55	8,136,181.05	137,552.80
Substation equipment.....		76,089.55	21,392,549.31	216,620.86
Distribution system, overhead.....	43,879.59	106,401.01	10,292,108.29	974,317.27
Distribution system, underground.....			6,534,945.47	16,460.83
Line transformers.....	32,520.92	89,311.19	8,669,410.05	419,374.49
Meters.....	18,997.40	49,676.53	4,116,021.09	229,913.87
Street light equipment, regular.....	18,804.13	40,568.53	1,189,984.16	122,993.81
Miscellaneous construction expense..	1,146.70	16,430.40	3,685,529.32	163,658.15
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	127,336.21	409,062.76	64,016,728.74	2,280,892.08
Less reserve for depreciation.....	39,849.95	40,144.96	22,392,511.01	229,984.35
	87,486.26	368,917.80	41,624,217.73	2,050,907.73
Bank and cash balance.....	11,875.30	43,438.50	67,255.26	248,944.48
Securities and investments.....	10,000.00		†3,490,894.00	8,000.00
Accounts receivable.....	901.23	717.81	2,997,565.74	80,867.52
Inventories.....		6,703.24	2,545,641.42	79,239.43
Sinking fund on local debentures.....				
Other assets.....	203.00	275.79	191,413.54	765.34
Frequency standardization expenditure in suspense.....				
	110,465.79	420,053.14	50,916,987.69	2,468,724.50
Equity in H-E.P.C. systems.....	128,932.18	218,354.16	47,484,922.36	392,207.34
Total.....	239,397.97	638,407.30	98,401,910.05	2,860,931.84
LIABILITIES				
Debenture balance.....		165,516.36		1,470,475.81
Accounts payable.....	5,962.93		3,257,762.34	220,286.43
Bank overdraft.....				
Other liabilities.....	62.25	6,882.66	206,172.67	14,852.52
Total liabilities.....	6,025.18	172,399.02	3,463,935.01	1,705,614.76
RESERVES				
For equity in H-E.P.C. systems.....	128,932.18	218,354.16	47,484,922.36	392,207.34
Other reserves.....	148.60	3,188.89	5,974,148.81	23,938.85
	129,080.78	221,543.05	53,459,071.17	416,146.19
SURPLUS				
Debentures paid.....	14,000.00	50,483.64	29,290,934.57	158,524.25
Local sinking fund.....				
Operating surplus.....	90,331.01	193,981.59	12,187,969.30	664,235.59
Net frequency standardization expense charged this year.....	39.00			83,588.95
Total surplus.....	104,292.01	244,465.23	41,478,903.87	739,170.89
Total.....	239,397.97	638,407.30	98,401,910.05	2,860,931.84

†Estimated market value, Dec. 31, 1953.

Utilities as at December 31, 1953

Tottenham	Trafalgar Twp.	Trenton	Tweed	Uxbridge	Vankleek Hill
\$	\$	\$	\$	\$	\$
.....	19,938.73	6,604.06	.....	.....	.....
.....	2,735.50	88,479.33	.....	2,657.65	.....
15,096.05	183,885.13	231,966.91	55,221.63	37,909.59	38,382.24
.....
6,081.38	90,334.47	87,982.92	22,543.76	18,379.71	8,249.20
4,734.21	43,809.02	73,788.08	11,597.65	14,238.59	8,433.13
2,053.21	579.11	40,392.18	9,785.39	10,614.99	2,116.27
622.51	30,898.33	8,132.84	15.75	364.38	1,685.80
.....
.....
.....
28,587.36	372,180.29	537,346.32	99,164.18	84,164.91	58,866.64
4,457.40	12,141.59	152,378.84	11,234.76	11,718.77	13,746.09
.....
24,129.96	360,038.70	384,967.48	87,929.42	72,446.14	45,120.55
.....
3,880.57	4,874.53	22,110.32	21,619.00	12,137.24	3,647.87
.....	.....	65,000.00	23,000.00	10,000.00	.....
342.83	10,255.13	5,196.11	757.50	535.96	4,158.84
.....	19,705.45	14,940.11	949.81	43.05	.....
.....
294.36	765.36	322.84	900.00	100.00	.....
.....
.....
28,647.72	395,639.17	492,536.86	135,155.73	95,262.39	52,927.26
25,404.49	48,628.65	301,639.30	33,819.83	52,585.40	.....
.....
54,052.21	444,267.82	794,176.16	168,975.56	147,847.79	52,927.26
.....
.....
7,145.45	181,137.55	.....	.....	.....	46,000.00
52.05	72,624.12	.....	24,257.95	2,265.63	195.40
.....
418.25	4,850.49	7,193.70	356.00	1,402.00	.....
.....
7,615.75	258,612.16	7,193.70	24,613.95	3,667.63	46,195.40
.....
25,404.49	48,628.65	301,639.30	33,819.83	52,585.40	.....
.....	767.66	.....	88.07	184.37	2,025.00
.....
25,404.49	49,396.31	301,639.30	33,907.90	52,769.77	2,025.00
.....
14,289.52	42,750.01	164,586.70	19,000.00	15,364.09	.....
.....
6,742.45	93,509.34	320,756.46	91,453.71	76,046.30	4,706.86
.....
.....
21,031.97	136,259.35	485,343.16	110,453.71	91,410.39	4,706.86
.....
54,052.21	444,267.82	794,176.16	168,975.56	147,847.79	52,927.26

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Victoria Harbour	Walkerton	Wallaceburg	Wardsville
ASSETS	\$	\$	\$	\$
Lands and buildings		47.92	58,396.05	
Substation equipment			149,473.67	
Distribution system, overhead	17,413.42	74,056.81	177,103.09	9,362.69
Distribution system, underground				
Line transformers	4,978.23	47,146.28	119,332.48	4,106.89
Meters	7,067.48	28,227.62	62,746.20	2,749.89
Street light equipment, regular	540.10	12,667.97	26,610.56	662.94
Miscellaneous construction expense ..	125.82	6,288.59	16,477.80	63.32
Steam or hydraulic plant				
Old plant				
Other capital assets				
Total plant	30,125.05	168,435.19	610,139.85	16,945.73
Less reserve for depreciation	8,804.14	15,483.54	133,072.57	4,186.77
	21,320.91	152,951.65	477,067.28	12,758.96
Bank and cash balance	286.47	4,958.99	1,657.34	1,909.53
Securities and investments		40,000.00	42,000.00	1,500.00
Accounts receivable	409.79	887.31	13,647.68	836.94
Inventories		13,586.42	37,955.59	
Sinking fund on local debentures				
Other assets	220.00		5.62	
Frequency standardization expenditure in suspense				
	22,237.17	212,384.37	572,333.51	17,005.43
Equity in H-E.P.C. systems	15,443.13	74,508.34	530,366.00	9,659.55
Total	37,680.30	286,892.71	1,102,699.51	26,664.98
LIABILITIES				
Debenture balance				
Accounts payable		7,386.91	409.97	393.13
Bank overdraft				
Other liabilities		1,535.48	4,858.01	25.00
Total liabilities		8,922.39	5,267.98	418.13
RESERVES				
For equity in H-E.P.C. systems	15,443.13	74,508.34	530,366.00	9,659.55
Other reserves		26.85	4,448.33	25.22
	15,443.13	74,535.19	534,814.33	9,684.77
SURPLUS				
Debentures paid	5,878.70	56,748.57	71,536.58	7,562.40
Local sinking fund				
Operating surplus	16,358.47	146,686.56	491,080.62	8,999.68
Net frequency standardization expense charged this year				
Total surplus	22,237.17	203,435.13	562,617.20	16,562.08
Total	37,680.30	286,892.71	1,102,699.51	26,664.98

Utilities as at December 31, 1953

Warkworth	Waterdown	Waterford	Waterloo	Watford	Waubauskene
\$	\$	\$	\$	\$	\$
200.00	1,397.89	30,584.56	19,090.90		
8,686.00	37,198.72	24,721.92	242,545.24	21,686.77	13,906.97
4,192.45	18,017.48	20,052.99	177,347.09	11,175.37	5,485.15
4,041.34	11,513.15	13,849.77	90,993.88	10,134.54	5,549.29
771.81	2,259.14	3,764.05	38,946.67	2,857.12	613.97
609.19	1,820.49	1,133.11	20,064.81	659.58	
3,618.02					
21,918.81	71,008.98	64,919.73	848,615.06	65,604.28	25,555.38
6,516.83	17,685.25	18,987.54	231,795.17	17,159.47	5,042.18
15,401.98	53,323.73	45,932.19	616,819.89	48,444.81	20,513.20
2,997.39	11,501.47	3,397.62	27,993.26	5,043.32	301.71
4,200.00		11,000.00		8,000.00	
141.94	719.87	123.16	9,746.46	1,665.37	626.41
			44,752.93	797.80	
	20.00	20.00	957.57	1,383.65	15.87
			4,829.62		
22,741.31	65,565.07	60,472.97	705,099.73	65,334.95	21,457.19
10,756.69	50,615.89	73,852.00	673,847.67	61,508.57	12,846.76
33,498.00	116,180.96	134,324.97	1,378,947.40	126,843.52	34,303.95
753.91	15,000.00		280,000.00		
109.73	51.77	53.52	12,942.13	499.39	1,010.00
21.20	174.28	299.00	8,685.00	437.10	
884.84	15,226.05	352.52	301,627.13	936.49	1,010.00
10,756.69	50,615.89	73,852.00	673,847.67	61,508.57	12,846.76
	208.33		3,411.77	57.42	175.00
10,756.69	50,824.22	73,852.00	677,259.44	61,565.99	13,021.76
10,246.09	8,000.00	7,745.53	126,000.00	9,055.77	3,242.34
11,610.38	42,130.69	52,374.92	274,060.83	55,285.27	17,029.85
21,856.47	50,130.69	60,120.45	400,060.83	64,341.04	20,272.19
33,498.00	116,180.96	134,324.97	1,378,947.40	126,843.52	34,303.95

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Welland	Wellesley	Wellington	West Lorne
ASSETS	\$	\$	\$	\$
Lands and buildings.....	104,587.19		225.00	22,593.56
Substation equipment.....	147,095.86			
Distribution system, overhead.....	281,589.33	12,395.94	19,605.53	22,175.17
Distribution system, underground.....	9,495.59			
Line transformers.....	195,738.39	6,245.82	13,134.59	16,087.09
Meters.....	135,984.54	5,544.08	11,190.83	9,042.16
Street light equipment, regular.....	53,421.38	1,184.54	4,568.89	5,426.77
Miscellaneous construction expense.....	20,363.23	1,204.88	1,215.93	469.51
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	948,275.51	26,575.26	49,940.77	75,794.26
Less reserve for depreciation.....	311,155.76	6,856.70	20,859.74	17,629.33
	637,119.75	19,718.56	29,081.03	58,164.93
Bank and cash balance.....	25,001.63	421.44	4,013.71	575.76
Securities and investments.....	72,000.00	3,000.00	18,500.00	
Accounts receivable.....	8,285.54		147.78	821.10
Inventories.....	27,364.23		2,001.53	1,894.95
Sinking fund on local debentures.....				
Other assets.....	640.98			80.44
Frequency standardization expenditure in suspense.....	909.00	5,372.52		
	771,321.13	28,512.52	53,744.05	61,537.18
Equity in H-E.P.C. systems.....	846,539.99	34,290.48	28,629.05	61,310.34
Total.....	1,617,861.12	62,803.00	82,373.10	122,847.52
LIABILITIES				
Debenture balance.....				
Accounts payable.....	40,265.03	111.94	96.20	627.13
Bank overdraft.....				
Other liabilities.....	19,503.90	15.00	118.75	88.01
Total liabilities.....	59,768.93	126.94	214.95	715.14
RESERVES				
For equity in H-E.P.C. systems.....	846,539.99	34,290.48	28,629.05	61,310.34
Other reserves.....	1,543.08			65.12
	848,083.07	34,290.48	28,629.05	61,375.46
SURPLUS				
Debentures paid.....	275,000.00	7,500.00	13,816.12	8,000.00
Local sinking fund.....				
Operating surplus.....	435,009.12	20,885.58	39,712.98	52,775.50
Net frequency standardization expense charged this year.....				18.58
Total surplus.....	710,009.12	28,385.58	53,529.10	60,756.92
Total.....	1,617,861.12	62,803.00	82,373.10	122,847.52

Utilities as at December 31, 1953

Weston	Westport	Wheatley	Whitby	Wiaraton	Williams- burg	Winchester
\$	\$	\$	\$	\$	\$	\$
38,881.05		87.50	91,586.94	1,758.62		299.85
120,678.83			34,288.16	333.57		
216,469.13	11,397.15	36,504.40	129,978.49	42,373.83	9,012.84	29,149.39
135,149.96	6,944.56	18,680.19	51,078.47	21,515.14	4,864.35	15,390.87
61,063.23	4,397.51	10,506.28	43,301.85	15,818.54	3,063.50	11,327.94
20,468.64	1,530.84	9,864.52	20,576.70	9,093.79	1,699.78	3,233.36
19,531.35	321.54	1,899.83	13,857.27	3,094.89	54.01	61.50
612,242.19	24,591.60	77,542.72	384,667.88	93,988.38	18,694.48	59,462.91
111,126.61	4,051.48	12,821.31	83,846.96	9,310.18	2,378.85	12,085.14
501,115.58	20,540.12	64,721.41	300,820.92	84,678.20	16,315.63	47,377.77
2,049.70	2,703.44	602.38	3,573.73	3,798.69	2,820.25	1,893.87
	5,000.00		10,000.00	17,000.00	15,000.00	4,000.00
70,072.15		120.33	5,678.60	1,514.39	145.71	339.97
22,333.50			13,047.71	2,657.68	43.40	
1,669.76		164.70	101.28			
1,570.41						
598,811.10	28,243.56	65,608.82	333,222.24	109,648.96	34,324.99	53,611.61
578,575.73	15,541.32	38,092.88	146,565.60	45,740.67	14,615.95	50,151.86
1,177,386.83	43,784.88	103,701.70	479,787.84	155,389.63	48,940.94	103,763.47
136,700.00		7,596.93				
667.00	359.85	84.48	1,817.86			
3,760.06						
5,706.33	324.90	125.00	3,404.92	172.21	313.43	10.00
146,833.39	684.75	7,806.41	5,222.78	172.21	313.43	10.00
578,575.73	15,541.32	38,092.88	146,565.60	45,740.67	14,615.95	50,151.86
1,804.55		44.30		22.81	310.82	
580,380.28	15,541.32	38,137.18	146,565.60	45,763.48	14,926.77	50,151.86
79,832.44	15,000.00	14,403.07	76,612.50	37,400.00	2,750.00	9,206.06
370,340.72	12,558.81	43,355.04	251,386.96	72,053.94	30,950.74	44,395.55
450,173.16	27,558.81	57,758.11	327,999.46	109,453.94	33,700.74	53,601.61
1,177,386.83	43,784.88	103,701.70	479,787.84	155,389.63	48,940.94	103,763.47

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Concluded

Municipality.....	Winder- mere	Windsor	Wingham	Woodbridge
ASSETS	\$	\$	\$	\$
Lands and buildings.....		642,730.43	26,823.14	
Substation equipment.....		1,773,512.14	7,318.18	
Distribution system, overhead.....	11,837.23	2,168,859.14	66,826.14	41,494.63
Distribution system, underground.....		695,206.31		
Line transformers.....	8,459.14	840,001.66	29,940.97	21,931.76
Meters.....	2,466.64	899,983.14	28,068.49	13,495.86
Street light equipment, regular.....	491.45	104,686.59	12,977.43	3,642.82
Miscellaneous construction expense..	104.40	142,259.05	13,222.92	21.30
Steam or hydraulic plant.....			14,711.99	
Old plant.....				
Other capital assets.....				
Total plant.....	23,358.86	7,267,238.46	199,889.26	80,586.37
Less reserve for depreciation.....	6,960.26	2,507,891.75	52,943.36	19,892.31
	16,398.60	4,759,346.71	146,945.90	60,694.06
Bank and cash balance.....	5,781.08	97,305.20	16,714.63	446.56
Securities and investments.....	1,600.00	1,280,148.08	35,000.00	4,000.00
Accounts receivable.....	152.06	478,034.82	386.32	82.61
Inventories.....		546,073.03	10,342.01	
Sinking fund on local debentures.....		130,979.76		
Other assets.....	228.60	515.30		
Frequency standardization expenditure in suspense.....		205,916.95		
	24,160.34	7,498,319.85	209,388.86	65,223.23
Equity in H-E.P.C. systems.....	7,319.16	7,741,623.61	103,153.44	90,146.75
Total.....	31,479.50	15,239,943.46	312,542.30	155,369.98
LIABILITIES				
Debenture balance.....		190,000.00		
Accounts payable.....	75.00	255,225.27	32.18	1,594.67
Bank overdraft.....				
Other liabilities.....		144,244.67	2,330.15	1,225.91
Total liabilities.....	75.00	589,469.94	2,362.33	2,820.58
RESERVES				
For equity in H-E.P.C. systems.....	7,319.16	7,741,623.61	103,153.44	90,146.75
Other reserves.....		264,531.30		150.00
	7,319.16	8,006,154.91	103,153.44	90,296.75
SURPLUS				
Debentures paid.....	11,237.65	2,393,832.05	81,155.39	8,499.97
Local sinking fund.....		130,979.76		
Operating surplus.....	12,847.69	4,119,506.80	125,871.14	53,752.68
Net frequency standardization expense charged this year.....				
Total surplus.....	24,085.34	6,644,318.61	207,026.53	62,252.65
Total.....	31,479.50	15,239,943.46	312,542.30	155,369.98

Utilities as at December 31, 1953

Woodstock	Woodville	Wyoming	York Twp.	Zurich	TOTAL SOUTHERN ONTARIO SYSTEM
\$	\$	\$	\$	\$	\$
172,123.81		355.51	271,308.27		21,582,470.32
237,872.90			574,363.75		45,952,768.03
336,981.14	5,115.47	20,071.95	1,343,909.05	13,081.22	52,336,182.74
8,041.87					13,274,026.41
171,556.87	2,688.26	7,306.16	872,297.24	8,508.36	33,071,474.93
158,762.89	3,562.63	7,443.11	581,361.02	5,884.74	20,685,497.85
38,980.49	776.55	1,764.76	161,281.32	949.71	7,023,524.35
22,098.80		44.45	30,425.00	210.37	7,015,776.35
100.00					3,164,764.58
					66,634.46
					429,705.09
1,146,518.77	12,142.91	36,985.94	3,834,945.65	28,634.40	204,602,825.11
292,733.33	3,439.98	8,452.66	1,173,048.13	4,180.33	51,808,520.09
853,785.44	8,702.93	28,533.28	2,661,897.52	24,454.07	152,794,305.02
400.00	2,181.91	2,219.41	144,343.96	45.59	4,378,552.78
100,000.00	5,000.00	2,100.00	100,000.00	5,500.00	9,730,372.44
13,280.10	117.06	339.40	163,502.39	298.41	9,983,424.31
1,315.89			67,481.72		7,177,351.41
					178,669.89
724.17	650.00				794,897.81
			480,169.07		1,580,824.00
969,505.60	16,651.90	33,192.09	3,617,394.66	30,298.07	186,618,397.66
989,801.38	21,156.80	20,381.34	2,030,625.17	30,647.67	131,557,026.60
1,959,306.98	37,808.70	53,573.43	5,648,019.83	60,945.74	318,175,424.26
256,860.67					27,910,136.08
5,275.26	993.30	1,379.38	192,041.76	3,275.83	9,076,778.70
1,651.08					1,403,205.46
11,536.56	10.00	93.89	242,049.06	10.00	2,014,662.28
275,323.57	1,003.30	1,473.27	434,090.82	3,285.83	40,404,782.52
989,801.38	21,156.80	20,381.34	2,030,625.17	30,647.67	131,557,026.60
9,801.42	481.67	67.69	132,612.47		7,739,720.52
999,602.80	21,638.47	20,449.03	2,163,237.64	30,647.67	139,296,747.12
170,524.96	5,248.09	9,700.00	489,374.65	5,591.61	59,763,599.62
514,052.65	9,918.84	21,951.13	2,561,316.72	21,420.63	178,669.89
197.00					78,898,045.97
					366,420.86
684,380.61	15,166.93	31,651.13	3,050,691.37	27,012.24	138,473,894.62
1,959,306.98	37,808.70	53,573.43	5,648,019.83	60,945.74	318,175,424.26

Balance Sheets of Municipal Electrical

NORTHERN ONTARIO PROPERTIES

Municipality.....	Cache Bay	Capreol	Cochrane	Fort William
ASSETS	\$	\$	\$	\$
Lands and buildings.....		450.00		196,137.84
Substation equipment.....		40,928.44	111,727.47	577,450.24
Distribution system, overhead.....	32,083.26	23,150.94	80,366.17	723,795.84
Distribution system, underground.....				
Line transformers.....	6,735.67	16,651.24	24,662.24	260,585.32
Meters.....	3,019.67	12,950.28	21,302.77	195,075.28
Street light equipment, regular.....	1,700.51	5,716.21	13,375.68	166,635.36
Miscellaneous construction expense.....	1,233.70	3,955.17	16,737.14	66,591.80
Steam or hydraulic plant.....				
Old plant.....	1,470.00			
Other capital assets.....				
Total plant.....	46,242.81	103,802.28	268,171.47	2,186,271.68
Less reserve for depreciation.....	2,683.00	12,573.57	32,498.33	438,956.27
	43,559.81	91,228.71	235,673.14	1,747,315.41
Bank and cash balance.....	5,688.26	6,447.64	4,966.99	
Securities and investments.....				355,300.00
Accounts receivable.....	454.33	1,871.88	2,822.99	84,288.93
Inventories.....			7,815.62	99,534.41
Sinking fund on local debentures.....				213,921.57
Other assets.....			936.25	5,493.60
Frequency standardization expenditure in suspense.....				
	49,702.40	99,548.23	252,214.99	2,505,853.92
Equity in H-E.P.C. systems.....				2,786,929.88
Total.....	49,702.40	99,548.23	252,214.99	5,292,783.80
LIABILITIES				
Debenture balance.....	22,000.00	46,900.00	99,750.00	641,000.00
Accounts payable.....	14,515.19	802.80	16,436.04	97,214.30
Bank overdraft.....				29,595.17
Other liabilities.....	90.00	645.00	8,296.73	56,750.08
Total liabilities.....	36,605.19	48,347.80	124,482.77	824,559.55
RESERVES				
For equity in H-E.P.C. systems.....				2,786,929.88
Other reserves.....	45.22	192.62	755.46	5,222.70
	45.22	192.62	755.46	2,792,152.58
SURPLUS				
Debentures paid.....	6,000.00	22,100.00	5,250.00	173,209.11
Local sinking fund.....				213,921.57
Operating surplus.....	7,051.99	28,907.81	121,726.76	1,288,940.99
Net frequency standardization expense charged this year.....				
Total surplus.....	13,051.99	51,007.81	126,976.76	1,676,071.67
Total.....	49,702.40	99,548.23	252,214.99	5,292,783.80

Utilities as at December 31, 1953

Hearst	Kapuskasing	Larder Lake Twp.	Latchford	McGarry	Nipigon Twp.
\$	\$	\$	\$	\$	\$
4,165.00	8,692.96	500.00			215.03
30,318.86	61,671.50				
59,597.35	62,913.22	20,215.44	13,050.28	23,254.58	40,237.39
16,694.44	15,404.50	12,265.89	3,497.89	10,716.10	18,475.73
17,080.30	10,130.98	12,120.70	3,897.66	9,578.76	11,811.03
350.57	8,796.33	2,478.52	1,361.74	2,592.03	6,335.80
6,584.43	7,597.70	2,637.47	1,232.26	481.63	1,859.25
60,688.00					
195,478.95	175,207.19	50,218.02	23,039.83	46,623.10	78,934.23
15,127.32	4,447.00	15,780.00	1,642.00	9,667.00	10,809.55
180,351.63	170,760.19	34,438.02	21,397.83	36,956.10	68,124.68
51.76	20,292.82	8,475.87	3,535.42	6,208.59	6,147.91
1,922.17	13,714.92	3,098.96	89.71	238.81	11,000.00
	10,077.59				313.39
	1,742.59				109.46
182,325.56	216,588.11	46,012.85	25,022.96	43,403.50	85,695.44
					46,019.01
182,325.56	216,588.11	46,012.85	25,022.96	43,403.50	131,714.45
135,400.00	70,783.82	14,200.00	15,700.00	12,000.00	
10,013.07	9,918.21	891.68		2,331.32	30.29
1,909.83	8,228.00	5,190.68	220.00	3,676.07	963.44
147,322.90	88,930.03	20,282.36	15,920.00	18,007.39	993.73
4,971.31		50.61			46,019.01
4,971.31		50.61			46,019.01
4,600.00	19,695.50	3,800.00	4,300.00	2,000.00	10,000.00
25,431.35	107,962.58	21,879.88	4,802.96	23,396.11	74,701.71
30,031.35	127,658.08	25,679.88	9,102.96	25,396.11	84,701.71
182,325.56	216,588.11	46,012.85	25,022.96	43,403.50	131,714.45

Balance Sheets of Municipal Electrical

NORTHERN ONTARIO PROPERTIES—Concluded

Municipality.....	North Bay	Port Arthur	Red Rock	Schreiber Twp.
	\$	\$	\$	\$
ASSETS				
Lands and buildings.....	63,289.31	563,430.50		6,937.08
Substation equipment.....	236,252.15	516,512.35	900.00	
Distribution system, overhead.....	274,286.22	796,170.37	24,363.17	44,328.07
Distribution system, underground.....	937.03			
Line transformers.....	121,682.88	271,189.46	12,053.35	10,223.11
Meters.....	136,547.08	239,526.37	5,406.01	10,724.70
Street light equipment, regular.....	49,382.03	128,651.16	3,601.86	3,729.83
Miscellaneous construction expense.....	9,012.21	43,769.58	3,133.00	1,666.50
Steam or hydraulic plant.....		350,456.55		
Old plant.....				14,562.18
Other capital assets.....		108,128.44	17,097.98	
Total plant.....	891,388.91	3,017,834.78	66,555.37	92,171.47
Less reserve for depreciation.....	273,450.47	1,149,382.29	5,361.44	5,844.75
	617,938.44	1,868,452.49	61,193.93	86,326.72
Bank and cash balance.....	25,487.41	122,574.76	12,951.99	23,880.16
Securities and investments.....		569,986.32		
Accounts receivable.....	13,854.40	91,356.30	487.53	978.92
Inventories.....	43,114.84	86,648.22		
Sinking fund on local debentures.....				18,214.64
Other assets.....	6,571.06	200.00		
Frequency standardization expenditure in suspense.....				
	706,966.15	2,739,218.09	74,633.45	129,400.44
Equity in H-E.P.C. systems.....		5,620,144.20	13,840.04	14,825.37
Total.....	706,966.15	8,359,362.29	88,473.49	144,225.81
LIABILITIES				
Debenture balance.....	232,000.00		23,920.00	31,000.00
Accounts payable.....	514.64	83,544.48	17,283.25	
Bank overdraft.....				
Other liabilities.....	55,690.06			
Total liabilities.....	288,204.70	83,544.48	41,203.25	31,000.00
RESERVES				
For equity in H-E.P.C. systems.....		5,620,144.20	13,840.04	14,825.37
Other reserves.....	16,190.90	266,781.58		
	16,190.90	5,886,925.78	13,840.04	14,825.37
SURPLUS				
Debentures paid.....	228,157.68	626,317.40	7,280.00	19,000.00
Local sinking fund.....				18,214.64
Operating surplus.....	174,412.87	1,762,574.63	26,150.20	61,185.80
Net frequency standardization expense charged this year.....				
Total surplus.....	402,570.55	2,388,892.03	33,430.20	98,400.44
Total.....	706,966.15	8,359,362.29	88,473.49	144,225.81

Utilities as at December 31, 1953

Sioux Lookout	Sturgeon Falls	Sudbury	Terrace Bay	TOTAL NORTHERN ONTARIO PROPERTIES	TOTAL ALL SYSTEMS
\$	\$	\$	\$	\$	\$
8,006.86	1,500.00	271,168.42		1,124,493.00	22,706,963.32
	41,490.83	551,720.02		2,168,971.86	48,121,739.89
33,240.34	73,013.87	707,920.10	73,919.80	3,105,906.41	55,442,089.15
				937.03	13,274,963.44
18,825.61	32,265.11	314,676.31	24,242.89	1,190,847.74	34,262,322.67
17,654.39	29,582.66	264,132.40	13,580.18	1,014,121.22	21,699,619.07
10,013.64	5,370.00	167,405.55	15,449.11	592,945.93	7,616,470.28
3,011.19	7,367.45	60,199.39	4,861.30	241,931.17	7,257,707.52
				350,456.55	3,515,221.13
				76,720.18	143,354.64
				125,226.42	554,931.51
90,752.03	190,589.92	2,337,222.19	132,053.28	9,992,557.51	214,595,382.62
12,371.28	35,104.04	436,565.98	11,787.00	2,474,051.29	54,282,571.38
78,380.75	155,485.88	1,900,656.21	120,266.28	7,518,506.22	160,312,811.24
27,824.59		206,158.10	24,891.36	505,583.63	4,884,136.41
		50,000.00		986,286.32	10,716,658.76
1,758.60	19,159.42	78,842.38	21.05	315,274.69	10,298,699.00
6,846.53		96,345.49		350,492.16	7,527,843.57
				232,136.21	410,806.10
0.01	1,270.64	1,924.14		18,138.29	813,036.10
					1,580,824.00
114,810.48	175,915.94	2,333,926.32	145,178.69	9,926,417.52	196,544,815.18
			30,071.85	8,511,830.35	140,068,856.95
114,810.48	175,915.94	2,333,926.32	175,250.54	18,438,247.87	336,613,672.13
353.85	80,304.94	506,633.46	66,300.00	1,917,587.28	29,827,723.36
	6,239.80	90,857.25	2,204.64	427,215.95	9,503,994.65
3,366.75	5,706.26	58,785.93		35,834.97	1,439,040.43
				209,518.83	2,224,181.11
3,720.60	92,251.00	656,276.64	68,504.64	2,590,157.03	42,994,939.55
			30,071.85	8,511,830.35	140,068,856.95
	771.80	118,297.99		413,280.19	8,153,000.71
	771.80	118,297.99	30,071.85	8,925,110.54	148,221,857.66
		510,705.07	11,700.00	1,654,114.76	61,417,714.38
111,089.88	82,893.14	1,048,646.62	64,974.05	232,136.21	410,806.10
				5,036,729.33	83,934,775.30
					366,420.86
111,089.88	82,893.14	1,559,351.69	76,674.05	6,922,980.30	145,396,874.92
114,810.48	175,915.94	2,333,926.32	175,250.54	18,438,247.87	336,613,672.13

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM

Municipality.....	Acton	Agincourt	Ailsa Craig	Alexandria	Alliston
Population.....	2,829	1,041	533	2,253	2,171
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	43,367.03	22,359.76	7,404.44	21,518.67	29,981.29
Commercial light service.....	18,103.69	7,151.07	3,337.93	17,149.53	15,710.44
Commercial power service.....	77,938.23	9,974.81	2,664.15	15,506.96	13,784.39
Municipal power.....	2,326.30			1,481.03	1,364.82
Street lighting.....	3,981.96	1,994.00	786.00	2,343.67	2,215.35
Merchandise.....	273.38				18.83
Miscellaneous.....	386.57	102.35	80.51	4,329.89	713.29
Total earnings.....	146,377.16	41,581.99	14,273.03	62,329.75	63,788.41
EXPENSES.....					
Power purchased.....	123,885.07	29,908.88	9,556.69	30,248.98	37,008.78
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	6,793.53	566.77	251.62	1,788.51	3,552.93
Line transformer maintenance.....	276.55	10.14	377.10	153.71	722.68
Meter maintenance.....	811.75	13.80	39.30	486.01	689.89
Consumers' premises expenses.....	116.51	126.04	7.00		5,522.00
Street lighting, operation and maintenance.....	723.91	444.12	88.11	590.29	432.86
Promotion of business.....					
Billing and collecting.....	1,770.36	1,191.70	565.00	1,948.03	1,922.82
General office, salaries and expenses.....	2,327.79	643.86	195.15	3,372.30	1,946.71
Undistributed expenses.....	1,127.40		18.75	200.33	172.14
Truck operation and maintenance.....	503.11			685.74	524.21
Interest.....	57.62	5.76	204.31	968.65	
Sinking fund and principal payments on debentures.....				1,272.07	
Depreciation.....	3,276.00	1,539.00	588.00	4,013.00	2,769.00
Other reserves.....		20.00			
Total operating costs and fixed charges.....	141,669.60	34,470.07	11,891.03	45,727.62	55,264.02
Net surplus or deficit.....	4,707.56	7,111.92	2,382.00	16,602.13	8,524.39
NUMBER OF CUSTOMERS					
Domestic service.....	832	351	169	597	630
Commercial light service.....	115	50	41	145	139
Power service.....	27	10	4	15	28
Total.....	974	411	214	757	797

Utilities for Year Ended December 31, 1953

Almonte 2,554	Alvinston 675	Amherstburg 3,807	Ancaster Twp. 7,432	Apple Hill 464	Arkona 404	Arnprior 4,578
\$	\$	\$	\$	\$	\$	\$
29,784.80	5,739.02	67,145.64	49,820.38	2,591.02	7,107.73	50,708.66
11,345.27	4,975.66	31,666.10	9,228.49	1,099.65	3,641.94	31,131.00
22,606.11	1,976.37	29,014.99	1,373.78	210.55	1,955.95	35,678.48
1,689.00	247.41		704.72			2,892.84
3,560.00	1,715.00	4,708.87	1,808.10	522.00	865.00	7,449.13
2,356.13						308.05
4,897.79	194.05	434.40	613.88	106.49	41.17	1,350.78
76,239.10	14,847.51	132,970.00	63,549.35	4,529.71	13,611.79	129,518.94
21,509.86	6,890.26	93,380.01	40,133.82	1,931.76	8,603.09	94,653.82
*12,750.79						
*926.36						
3,981.91	679.95	9,505.70	3,294.60	135.90	447.33	3,602.83
1,273.89	27.18	1,762.89	1,729.77	17.13	91.82	747.73
505.14	75.58	548.77	716.70	17.85	12.54	1,845.14
24.65		1,695.45	61.88		52.50	
681.69	231.59	934.99	425.47	56.30	177.53	1,493.74
4,012.11	816.24	3,187.95	1,796.34	362.49	514.82	3,559.87
3,495.86	661.58	5,826.42	1,836.11	126.24	338.38	3,718.40
550.19	25.85	1,250.44	286.62		8.72	779.28
681.90		1,294.37	1,757.22			
416.31		66.30	2,021.87		13.46	627.72
2,641.03			2,128.92			1,441.08
6,822.00	1,260.00	5,105.00	3,021.00	343.00	775.00	4,404.00
60,273.69	10,668.23	124,558.29	59,210.32	2,990.67	11,035.19	116,873.61
15,965.41	4,179.28	8,411.71	4,339.03	1,539.04	2,576.60	12,645.33
785	254	1,001	727	90	142	1,227
126	61	193	48	22	39	216
28	7	21	8	1	3	31
939	322	1,215	783	113	184	1,474

*Generation expense

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Arthur	Athens	Aurora	Aylmer	Ayr
Population.....	1,096	847	3,543	3,724	920
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	13,898.38	8,498.50	62,578.24	44,015.91	13,513.88
Commercial light service.....	8,645.00	3,791.43	30,150.93	29,820.86	6,523.08
Commercial power service.....	3,526.34	969.40	37,484.61	37,494.09	4,718.21
Municipal power.....	445.82		2,996.18	4,117.20	
Street lighting.....	1,953.50	1,324.00	5,798.40	5,848.00	2,194.00
Merchandise.....					
Miscellaneous.....	292.93	553.23	1,679.86	778.29	464.65
Total earnings.....	28,761.97	15,136.56	140,688.22	122,074.35	27,413.82
EXPENSES.....					
Power purchased.....	13,811.31	6,696.29	83,368.73	93,561.68	17,164.95
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,398.63	194.96	4,512.75	4,629.18	1,313.59
Line transformer maintenance.....		127.89	226.27	8.76	43.80
Meter maintenance.....	362.06	33.50	497.50	870.76	13.80
Consumers' premises expenses.....			6,398.67	460.60	7.68
Street lighting, operation and maintenance.....	439.94	536.38	1,712.47	1,278.51	370.58
Promotion of business.....					
Billing and collecting.....	1,020.47	497.41	5,108.82	3,864.74	1,237.00
General office, salaries and expenses.....	678.54	396.56	4,821.78	2,110.17	62.00
Undistributed expenses.....	81.62		1,626.27	959.41	332.73
Truck operation and maintenance.....	203.20			831.96	300.00
Interest.....	56.33		509.19	19.96	
Sinking fund and principal payments on debentures.....	203.88				
Depreciation.....	1,678.00	885.00	4,735.00	4,874.00	1,112.00
Other reserves.....				184.88	
Total operating costs and fixed charges.....	19,933.98	9,367.99	113,517.45	113,654.61	21,958.13
Net surplus or deficit.....	8,827.99	5,768.57	27,170.77	8,419.74	5,455.69
NUMBER OF CUSTOMERS					
Domestic service.....	342	269	1,122	1,070	270
Commercial light service.....	95	39	164	231	51
Power service.....	12	2	29	34	11
Total.....	449	310	1,315	1,335	332

Utilities for Year Ended December 31, 1953

Baden 801	Bancroft 1,445	Barrie 14,975	Barry's Bay 1,351	Bath 431	Beachville 661	Beamsville 1,928
\$	\$	\$	\$	\$	\$	\$
11,513.22	15,503.10	192,340.19	11,758.12	7,243.70	10,831.67	32,454.51
4,115.76	11,842.72	112,987.48	6,727.17	2,482.15	1,614.00	11,429.39
14,581.05	3,727.92	71,274.89	707.57	275.20	36,843.23	5,234.07
942.10	1,719.96	4,457.01				73.76
322.44		9,494.79	766.50	503.94	734.69	2,854.76
	39.68	617.90				
		7,146.29	19.06	4.13	279.56	660.00
31,474.57	32,833.38	398,318.55	19,978.42	10,509.12	50,303.15	52,706.49
24,358.65	8,466.70	261,857.10	6,163.67	3,865.26	50,792.72	42,148.74
		4,895.90				
	*1,689.06	436.88				
362.63	2,281.35	21,268.12	208.67	486.46	1,170.54	2,220.47
132.16	90.68	3,536.20	26.04	69.60	135.89	96.40
120.20	138.53	4,755.43	105.31	43.09	141.14	618.88
109.53		13,714.64			784.87	231.20
71.25	306.36	2,292.57	16.60	160.21	250.81	703.26
		193.31				
477.53	1,337.54	15,383.00	466.68	491.98	599.62	2,495.42
316.56	1,406.41	11,191.87	719.69	258.84	325.67	1,328.37
	254.81	8,992.85			5.00	
19.96		2,393.71				
	1,240.35	268.62	172.13		69.16	367.66
	2,625.00		893.32			
866.00	4,064.00	23,262.00	712.00	666.00	1,545.00	1,948.42
		254.61			25.92	
26,834.47	23,900.79	374,696.81	9,484.11	6,041.44	55,846.34	52,158.82
4,640.10	8,932.59	23,621.74	10,494.31	4,467.68	5,543.19	547.67
207	365	3,821	272	163	223	581
34	100	588	58	20	32	95
4	6	86	4	1	3	11
245	471	4,495	334	184	258	687

*Generation expense

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Beaverton	Beeton	Belle River	Belleville
Population	984	625	1,547	19,981
EARNINGS	\$	\$	\$	\$
Domestic service	15,224.98	8,046.09	18,906.62	253,003.47
Commercial light service	7,286.62	4,419.63	11,443.93	144,786.04
Commercial power service	4,333.53	2,215.10	673.47	106,199.56
Municipal power	655.11		2,766.97	7,621.81
Street lighting	1,841.16	1,979.85	2,094.00	17,802.76
Merchandise		19.53		1,181.02
Miscellaneous	217.83	41.24	158.16	16,013.89
Total earnings	29,559.23	16,721.44	36,043.15	546,608.55
EXPENSES				
Power purchased	19,568.67	8,515.99	20,383.92	376,439.48
Substation operation				11,903.93
Substation maintenance				
Distribution system, operation and maintenance	2,014.11	1,221.42	2,379.19	12,390.71
Line transformer maintenance	258.64		535.22	558.93
Meter maintenance	607.14	238.02	309.30	4,746.62
Consumers' premises expenses	17.21			4,509.63
Street lighting, operation and maintenance	523.26	160.77	726.44	5,206.23
Promotion of business				44.75
Billing and collecting	1,709.74	595.13	1,941.80	16,429.72
General office, salaries and expenses	1,432.03	430.89	752.03	13,229.01
Undistributed expenses			131.39	612.79
Truck operation and maintenance	353.90		947.44	
Interest	4.51		736.26	
Sinking fund and principal payments on debentures				
Depreciation	2,061.00	933.00	1,914.00	21,797.00
Other reserves				
Total operating costs and fixed charges	28,550.21	12,095.22	30,756.99	467,868.80
Net surplus or deficit	1,009.02	4,626.22	5,286.16	78,739.75
NUMBER OF CUSTOMERS				
Domestic service	375	200	493	5,550
Commercial light service	90	42	80	872
Power service	9	7	6	148
Total	474	249	579	6,570

Utilities for Year Ended December 31, 1953

Blenheim	Bloomfield	Blyth	Bobcaygeon	Bolton	Bothwell	Bowman- ville
2,648	666	730	1,125	965	738	5,873
\$	\$	\$	\$	\$	\$	\$
21,432.08	6,585.43	9,024.16	19,303.55	13,750.15	5,909.23	85,783.10
25,211.45	5,154.89	5,032.98	10,903.16	6,454.08	5,344.03	28,459.31
15,410.87	2,483.76	8,379.40	1,033.57	3,434.53	3,450.11	82,192.11
1,916.88		29.76		724.58	41.16	1,055.54
6,308.02	1,241.00	1,382.64	3,597.46	1,191.60	1,819.98	7,242.14
2,866.19	770.65	247.59	391.73	75.26	376.17	3,492.96
73,145.49	16,235.73	24,096.53	35,229.47	25,630.20	16,940.68	208,225.16
43,782.69	9,823.05	16,092.83	11,726.33	17,853.46	10,981.66	130,550.23
			*267.82			2,140.66
						191.70
4,069.18	340.22	1,022.62	2,024.96	772.38	405.63	4,410.65
719.02	5.95	19.75	281.26	59.25		148.85
2,569.08	474.23	85.01	314.98	1.70	120.91	1,852.67
154.80		44.37		50.75		1,955.28
2,150.79	149.21	324.73	434.68	249.91	93.56	1,057.58
3,609.39	843.55	812.55	1,538.13	1,491.47	450.09	415.69
4,197.37	530.00	261.10	1,243.24	509.40	580.96	4,929.54
		93.19	192.23			6,913.56
			644.71			2,649.50
1,501.50		1.00	1,002.88		122.95	1,805.31
2,385.15			3,779.92			
4,318.00	976.00	1,038.00	2,583.00	1,311.00	1,078.00	11,987.00
69,456.97	13,142.21	19,795.15	26,034.14	22,299.32	13,833.76	171,008.22
3,688.52	3,093.52	4,301.38	9,195.33	3,330.88	3,106.92	37,216.94
775	219	236	462	276	224	1,792
175	48	64	93	58	65	223
19	7	7	4	16	9	31
969	274	307	559	350	298	2,046

*Generation expense

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Bradford	Braeside	Brampton	Brantford
Population.....	1,756	459	10,366	36,526
EARNINGS	\$	\$	\$	\$
Domestic service.....	22,094.29	4,049.07	159,800.98	428,740.90
Commercial light service.....	18,495.76	838.92	59,932.91	211,961.70
Commercial power service.....	15,959.67	6,013.87	52,866.17	622,611.58
Municipal power.....	825.07		6,719.67	15,746.71
Street lighting.....	2,626.00	450.00	11,172.83	44,213.21
Merchandise.....	193.20			
Miscellaneous.....	418.42	56.80	2,404.84	12,479.49
Total earnings.....	60,612.41	11,408.66	292,897.40	1,335,753.59
EXPENSES				
Power purchased.....	28,148.51	7,871.66	224,202.25	1,004,846.15
Substation operation.....				28,192.95
Substation maintenance.....			341.61	10,123.09
Distribution system, operation and maintenance.....	4,099.63	249.64	4,340.48	18,473.23
Line transformer maintenance.....	167.22		274.40	5,729.78
Meter maintenance.....	848.42	455.25	192.38	14,843.47
Consumers' premises expenses.....	6.53		589.52	17,526.63
Street lighting, operation and maintenance.....	749.94	145.78	1,832.39	8,857.65
Promotion of business.....				73.34
Billing and collecting.....	1,895.12	321.52	7,173.81	23,493.11
General office, salaries and expenses.....	2,786.55	252.00	2,170.04	19,576.24
Undistributed expenses.....	479.58			981.08
Truck operation and maintenance.....	1,005.25			
Interest.....		165.72	1,525.64	6,015.44
Sinking fund and principal payments on debentures.....		275.76		7,500.00
Depreciation.....	2,736.00	332.00	12,620.00	60,017.00
Other reserves.....			150.00	
Total operating costs and fixed charges.....	42,922.75	10,069.33	255,412.52	1,226,249.16
Net surplus or deficit.....	17,689.66	1,339.33	37,484.88	109,504.43
NUMBER OF CUSTOMERS				
Domestic service.....	460	128	2,715	10,002
Commercial light service.....	116	13	349	1,631
Power service.....	25	3	83	271
Total.....	601	144	3,147	11,904

Utilities for Year Ended December 31, 1953

Brantford Twp. 18,662	Brechin 270	Bridgeport 1,277	Brigden 435	Brighton 2,017	Brockville 13,243	Bronte 1,245
\$	\$	\$	\$	\$	\$	\$
231,392.48	2,399.22	15,940.24	3,690.81	30,574.20	164,676.41	22,555.14
31,880.69	2,336.04	4,680.51	3,079.30	14,621.22	67,449.38	6,474.93
16,659.32	756.01	2,263.26	3,918.29	6,253.27	172,293.97	1,585.36
14,595.72	324.00	1,084.00	192.69		9,841.12	475.86
1,360.17	281.72	144.44	841.80	2,770.19	10,072.75	1,269.50
295,888.38	6,096.99	24,112.45	216.85	368.83	2,009.58	
165,795.64	2,763.92	16,313.78	7,206.00	28,742.07	298,772.30	18,968.14
954.53					*25,460.29	
					3,990.09	
10,063.98	312.05	841.74	413.81	2,859.08	5,865.14	1,808.48
2,104.37		84.31	41.37	24.89	824.41	487.69
4,107.77	126.28	13.00	108.21	1,133.17	3,522.78	374.14
687.94	50.45		14.00	20.18	106.39	36.93
4,935.82	76.48	312.48	128.25	416.71	2,903.59	234.98
8,629.82	333.76	1,202.56	684.22	2,659.69	13,534.37	2,203.73
7,058.73	185.97	333.38	475.09	3,013.22	12,020.23	606.67
3,924.17		39.24	12.63	711.16		
4,157.62				418.12	2,521.89	
6,903.63						457.34
9,334.33						
14,853.00	172.00	1,549.00	789.00	1,860.00	16,969.00	1,704.00
						77.00
243,511.35	4,020.91	20,689.49	9,872.58	41,858.29	386,490.48	26,959.10
52,377.03	2,076.08	3,422.96	2,067.16	12,729.42	39,852.73	5,401.69
3,769	64	331	145	653	3,673	445
152	23	30	49	142	445	84
19	1	6	6	12	80	10
3,940	88	367	200	807	4,198	539

*Includes \$9,331.42 generation expense

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Brussels	Burford	Burgess- ville 219	Burks Falls 866
Population	827	938		
EARNINGS	\$	\$	\$	\$
Domestic service	11,403.07	15,441.01	3,564.44	9,583.19
Commercial light service	5,640.57	5,647.06	1,330.58	9,494.48
Commercial power service	4,221.52	3,772.37	1,434.58	2,356.79
Municipal power	653.11			533.57
Street lighting	1,296.00	1,466.20	384.00	1,931.26
Merchandise		0.42		
Miscellaneous	5.77	149.97	85.57	3.06
Total earnings	23,220.04	26,477.03	6,799.17	23,902.35
EXPENSES				
Power purchased	17,680.60	19,478.81	4,588.12	9,945.28
Substation operation				
Substation maintenance				
Distribution system, operation and maintenance	931.19	1,344.23	420.07	1,143.05
Line transformer maintenance	78.07	55.00	3.50	52.40
Meter maintenance	241.69	106.25	67.99	289.94
Consumers' premises expenses				
Street lighting, operation and main- tenance	162.43	296.61	82.45	320.75
Promotion of business				
Billing and collecting	466.00	974.81	204.35	1,022.22
General office, salaries and expenses	457.14	443.66	149.25	869.83
Undistributed expenses	33.77	29.06		
Truck operation and maintenance				
Interest		3.00		1,203.97
Sinking fund and principal payments on debentures				2,011.08
Depreciation	1,122.00	1,198.00	297.00	1,222.00
Other reserves				50.00
Total operating costs and fixed charges	21,172.89	23,929.43	5,812.73	18,130.52
Net surplus or deficit	2,047.15	2,547.60	986.44	5,771.83
NUMBER OF CUSTOMERS				
Domestic service	290	327	71	236
Commercial light service	78	58	21	67
Power service	9	6	3	4
Total	377	391	95	307

Utilities for Year Ended December 31, 1953

Burlington 7,181	Caledonia 1,785	Campbell- ville 283	Cannington 961	Cardinal 1,808	Carleton Place 4,590	Casselman 1,130
\$	\$	\$	\$	\$	\$	\$
127,007.99	17,984.30	3,865.54	12,914.49	21,175.39	51,297.01	10,872.25
53,395.36	12,816.59	858.95	6,181.49	6,378.61	22,951.52	5,772.84
30,740.18	9,693.72	442.95	4,665.86	909.87	36,833.71	5,408.56
942.21	498.07				1,870.00	
8,765.88	4,242.91	372.00	1,777.40	1,408.02	5,473.42	840.00
	81.54		25.97			
522.72	338.69	110.19	330.85	274.17	2,141.80	60.07
221,374.34	45,655.82	5,649.63	25,896.06	30,146.06	120,567.46	22,953.72
133,741.41	27,205.45	3,853.53	17,291.53	21,537.45	87,279.54	9,422.09
					208.24	
8,947.03	1,024.74	111.91	1,529.40	1,188.68	5,591.88	360.44
1,541.45	146.11	23.27	154.93	72.75	274.11	26.25
2,095.54	1,007.31	13.20	414.76	153.38	2,047.28	294.84
21.47			136.74		410.67	
678.28	1,046.43	99.18	359.32	147.73	1,678.86	225.14
173.98						
10,522.65	1,952.86	226.42	1,456.26	821.54	4,529.92	661.67
7,018.87	1,735.89	50.38	1,444.54	532.57	8,081.78	1,465.18
1,590.93	144.75			34.12	475.73	12.30
1,649.63	714.17		97.52		1,497.02	
6,854.98	458.96		1.69			3,512.24
10,683.82	500.00					2,500.00
7,900.00	1,993.00	300.00	856.00	1,013.00	4,410.00	1,235.00
193,420.04	37,929.67	4,677.89	23,742.69	25,501.22	116,484.53	19,715.15
27,954.30	7,726.15	971.74	2,153.37	4,644.84	4,082.93	3,238.57
2,200	560	69	317	493	1,336	272
267	120	11	77	66	223	37
31	14	1	11	3	22	3
2,498	694	81	405	562	1,581	312

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Cayuga	Chatham	Chatsworth	Chesley
Population.....	771	22,274	390	1,677
EARNINGS	\$	\$	\$	\$
Domestic service.....	7,451.47	269,638.38	5,590.73	22,552.00
Commercial light service.....	7,916.58	294,641.70	4,657.82	10,416.17
Commercial power service.....	4,192.44	332,272.89	1,023.01	10,628.05
Municipal power.....		17,490.13		801.26
Street lighting.....	2,787.27	48,707.58	1,192.00	2,634.96
Merchandise.....	22.02	14,506.50		70.21
Miscellaneous.....	739.22	4,554.98	49.17	210.68
Total earnings.....	23,109.00	981,812.16	12,512.73	47,313.33
EXPENSES				
Power purchased.....	10,076.61	514,184.00	7,712.78	34,773.63
Substation operation.....		20,021.47		
Substation maintenance.....		15,398.96		
Distribution system, operation and maintenance.....	1,082.09	39,466.22	617.02	1,935.11
Line transformer maintenance.....	166.40	7,885.41		60.00
Meter maintenance.....	375.26	11,152.30	48.77	479.97
Consumers' premises expenses.....		19,993.56		14.40
Street lighting, operation and maintenance.....	488.83	8,047.43	162.23	419.20
Promotion of business.....		19,366.80		
Billing and collecting.....	1,439.05	22,966.49	366.56	1,555.24
General office, salaries and expenses.....	1,586.20	54,702.27	262.61	1,168.54
Undistributed expenses.....	335.68	29,991.50		578.82
Truck operation and maintenance.....	334.83	12,256.43		465.18
Interest.....	3.01	16,244.83		
Sinking fund and principal payments on debentures.....		30,615.36		
Depreciation.....	1,492.00	44,907.00	581.00	2,704.00
Other reserves.....		97.67		
Total operating costs and fixed charges.....	17,379.96	867,297.70	9,750.97	44,154.09
Net surplus or deficit.....	5,729.04	114,514.46	2,761.76	3,159.24
NUMBER OF CUSTOMERS				
Domestic service.....	227	5,926	131	561
Commercial light service.....	78	1,036	46	102
Power service.....	9	173	1	27
Total.....	314	7,135	178	690

Utilities for Year Ended December 31, 1953

Chester- ville 1,153	Chippawa 1,834	Clifford 527	Clinton 2,625	Cobden 835	Cobourg 8,152	Colborne 1,156
\$	\$	\$	\$	\$	\$	\$
10,524.70	26,148.96	8,495.48	42,414.04	8,852.36	119,009.39	17,382.21
7,086.42	6,604.95	4,707.10	20,464.71	6,098.24	51,901.96	8,699.87
15,086.20	352.53	1,269.34	11,064.64	3,810.52	82,359.68	2,085.78
.....	892.52	357.94	6,586.45	487.61	2,772.65	232.98
1,607.00	3,953.52	1,247.72	4,787.62	1,728.38	11,840.00	2,332.88
.....	.....	.....	16.46	.....	.....	919.69
497.96	159.71	36.61	972.75	121.34	2,477.03	278.72
34,802.28	38,112.19	16,114.19	86,306.67	21,098.45	270,360.71	31,932.13
25,936.90	22,906.56	9,784.93	56,649.37	9,862.47	174,333.07	18,271.51
.....	.....	.....	174.15	.....	.....	.....
2,565.23	1,156.91	301.03	3,669.79	205.67	6,551.05	1,699.37
271.27	357.44	28.75	185.29	.....	797.38	15.50
317.30	833.80	1.88	902.54	48.36	2,862.65	497.24
.....	.....	597.76	494.98	.....	593.75	149.15
305.54	1,067.50	260.73	1,686.66	333.66	2,111.11	489.96
928.45	1,160.53	545.89	2,734.20	859.82	11,225.31	1,768.99
626.20	1,269.03	348.65	4,209.70	239.15	7,460.34	1,426.35
88.79	273.49	27.04	842.88	.....	1,666.00	610.20
409.32	131.97	.....	646.07	.....	1,456.32	416.45
.....	.....	79.91	1,140.00	.....	.....	.....
.....	.....	494.55	1,500.00	.....	.....	.....
1,205.00	1,963.89	774.00	4,102.00	832.00	10,932.00	911.00
32,654.00	31,121.12	13,245.12	78,937.63	12,381.13	219,988.98	26,255.72
2,148.28	6,991.07	2,869.07	7,369.04	8,717.32	50,371.73	5,676.41
313	533	157	829	255	2,241	385
77	58	42	176	72	304	85
6	3	6	27	8	61	6
396	594	205	1,032	335	2,606	476

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Coldwater	Collingwood	Comber	Cookstown
Population.....	629	7,558	575	527
EARNINGS	\$	\$	\$	\$
Domestic service.....	7,871.67	87,150.00	4,917.17	6,427.11
Commercial light service.....	4,117.49	43,259.56	4,631.38	3,425.88
Commercial power service.....	2,650.22	68,798.71	6,039.64	1,798.19
Municipal power.....		3,066.82		
Street lighting.....	1,180.50	7,165.50	1,357.00	930.00
Merchandise.....	1.62	416.32		
Miscellaneous.....	324.11	1,851.68	39.05	4.20
Total earnings.....	16,145.61	211,708.59	16,984.24	12,585.38
EXPENSES				
Power purchased.....	10,059.36	151,575.87	10,462.23	8,033.82
Substation operation.....		430.25		
Substation maintenance.....				
Distribution system, operation and maintenance.....	1,158.44	8,807.56	856.40	676.34
Line transformer maintenance.....	156.38	296.54	211.92	
Meter maintenance.....	256.87	2,057.53	68.05	139.73
Consumers' premises expenses.....	28.62	32.38		
Street lighting, operation and maintenance.....	210.76	1,313.79	256.91	111.00
Promotion of business.....				
Billing and collecting.....	855.57	5,842.39	760.43	445.21
General office, salaries and expenses.....	737.17	3,391.83	712.60	184.71
Undistributed expenses.....		3,228.74	33.91	
Truck operation and maintenance.....	134.71	2,116.25		242.30
Interest.....	8.20		142.90	
Sinking fund and principal payments on debentures.....			276.89	
Depreciation.....	1,143.00	8,372.00	935.00	765.87
Other reserves.....	50.00	200.00		
Total operating costs and fixed charges.....	14,799.08	187,665.13	14,717.24	10,598.98
Net surplus or deficit.....	1,346.53	24,043.46	2,267.00	1,986.40
NUMBER OF CUSTOMERS				
Domestic service.....	196	2,195	162	164
Commercial light service.....	42	319	59	38
Power service.....	4	66	9	3
Total.....	242	2,580	230	205

Utilities for Year Ended December 31, 1953

Cottam 573	Courtright 559	Creemore 747	Dashwood 406	Delaware 336	Delhi 2,773	Deseronto 1,555
\$	\$	\$	\$	\$	\$	\$
5,712.34	4,176.36	9,585.74	7,365.53	6,256.43	32,498.49	21,040.81
2,712.42	2,386.94	3,971.29	2,993.99	2,534.75	30,825.53	7,833.54
1,388.27		1,334.77	1,672.17		13,396.58	10,751.71
	642.24				1,818.81	1,644.49
750.00	818.00	1,308.00	742.50	360.00	6,435.22	2,965.49
					101.49	949.46
93.63	2.27	153.32	23.35	3.83	671.12	363.28
10,656.66	8,025.81	16,353.12	12,797.54	9,155.01	85,747.24	45,548.78
6,779.52	4,514.18	10,893.97	8,453.82	6,668.94	49,433.00	22,417.36
411.24	236.02	789.23	662.42	611.04	5,053.13	2,453.70
51.39					432.87	52.69
28.66	47.00	212.63	6.75		933.11	198.11
46.20	6.93	25.25		34.91	1,395.36	
71.59	88.61	324.10	46.07	14.00	633.65	597.17
					118.81	
766.90	293.73	718.82	705.63	800.33	2,743.52	1,540.66
319.85	111.27	227.78	415.23	156.45	3,577.53	2,445.61
6.50	5.00				1,179.90	67.25
						865.55
				22.14	1,361.37	
					4,801.40	
861.00	425.00	785.00	424.00	449.00	3,683.00	1,943.00
		100.00				
9,342.85	5,727.74	14,076.78	10,713.92	8,756.81	75,346.65	32,581.10
1,313.81	2,298.07	2,276.34	2,083.62	398.20	10,400.59	12,967.68
181	152	259	132	101	902	518
37	29	54	32	17	248	56
7	1	3	3		33	17
225	182	316	167	118	1,183	591

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Dorchester	Drayton	Dresden	Drumbo
Population.....	687	540	2,032	339
EARNINGS	\$	\$	\$	\$
Domestic service.....	8,002.40	8,291.80	18,010.92	5,565.94
Commercial light service.....	2,099.48	4,200.08	19,231.55	2,490.67
Commercial power service.....	2,345.92	1,846.78	16,468.52	1,332.17
Municipal power.....			1,685.12	
Street lighting.....	1,473.00	1,240.00	3,593.66	650.00
Merchandise.....				
Miscellaneous.....	52.16	306.57	1,428.37	314.09
Total earnings.....	13,972.96	15,885.23	60,418.14	10,352.87
EXPENSES				
Power purchased.....	9,731.77	8,849.57	35,166.09	7,933.57
Substation operation.....			240.10	
Substation maintenance.....				
Distribution system, operation and maintenance.....	246.75	259.25	3,522.48	114.34
Line transformer maintenance.....	41.72	54.90	1,061.58	31.00
Meter maintenance.....	14.71	82.63	142.68	5.82
Consumers' premises expenses.....	45.60			15.62
Street lighting, operation and maintenance.....	472.18	424.82	333.02	100.15
Promotion of business.....	3.52		5.54	
Billing and collecting.....	905.50	1,112.11	2,362.33	777.29
General office, salaries and expenses.....	103.46	264.45	6,093.90	96.64
Undistributed expenses.....		44.07	1,307.20	
Truck operation and maintenance.....			1,355.13	
Interest.....	94.54	22.17	893.65	
Sinking fund and principal payments on debentures.....			1,222.97	
Depreciation.....	926.00	570.00	2,507.00	418.00
Other reserves.....				
Total operating costs and fixed charges.....	12,585.75	11,683.97	56,213.67	9,492.43
Net surplus or deficit.....	1,387.21	4,201.26	4,204.47	860.44
NUMBER OF CUSTOMERS				
Domestic service.....	220	210	631	123
Commercial light service.....	39	57	161	34
Power service.....	3	4	24	2
Total.....	262	271	816	159

Utilities for Year Ended December 31, 1953

Dublin 251	Dundalk 774	Dundas 7,299	Dunnville 4,796	Durham 1,873	Dutton 809	East York Twp. 65,736
\$	\$	\$	\$	\$	\$	\$
3,640.65	8,559.21	84,552.06	39,214.94	22,004.47	5,984.86	986,330.37
1,944.30	6,106.89	38,295.19	37,779.71	16,980.33	4,514.21	154,680.11
1,941.86	4,333.05	69,456.33	60,362.30	8,173.36	4,679.48	213,070.31
.....	.....	1,074.37	3,463.27	989.67	.....	7,889.58
741.00	1,271.00	10,710.77	8,124.44	2,687.63	1,276.02	63,865.76
.....	.....	.....	91.93	81.00	.....	.....
66.20	415.11	923.95	600.00	220.79	255.50	3,178.62
8,334.01	20,685.26	205,012.67	149,636.59	51,137.25	16,710.07	1,429,014.75
5,241.51	14,175.58	145,249.98	117,029.31	27,592.78	14,025.08	890,616.17
.....	.....	1,716.57	1,484.68	.....	.....	12,561.04
389.12	1,718.75	15,749.66	9,759.61	5,254.43	706.57	27,077.43
369.40	.....	1,695.42	669.95	403.34	81.28	11,008.65
8.72	152.15	4,816.94	2,431.08	551.67	60.17	18,448.69
.....	.....	.....	104.63	688.44	.....	27,633.78
191.29	335.32	3,064.40	2,118.59	365.10	312.40	14,875.20
492.15	1,088.23	4,455.80	3,548.36	2,008.68	1,052.25	53,911.93
305.80	238.67	4,143.45	3,882.95	1,651.62	270.10	49,766.44
5.00	298.94	1,689.08	.....	227.03	37.07	.....
.....	368.69	3,049.15	.....	1,270.39	.....	.....
2.75	1.61	5.56	120.51	.....	20.31	27,841.63
.....	.....	.....	.....	.....	.....	29,000.00
385.00	1,014.00	9,842.00	6,550.00	2,150.00	630.00	56,005.00
.....	.....	.....	.....	.....	26.75	.....
7,390.74	19,391.94	195,478.01	147,699.67	42,163.48	17,221.98	1,218,745.96
943.27	1,293.32	9,534.66	1,936.92	8,973.77	511.91	210,268.79
85	272	2,301	1,366	566	257	18,201
35	85	260	276	130	64	924
2	9	56	36	20	11	141
122	366	2,617	1,678	716	332	19,266

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Eganville	Elmira	Elmvale	Elmwood (V.A.)
Population.....	1,408	2,644	851	
EARNINGS	\$	\$	\$	\$
Domestic service.....	16,418.41	38,779.33	11,104.23	2,886.04
Commercial light service.....	11,558.13	25,035.33	7,075.58	1,715.07
Commercial power service.....	4,489.60	54,751.88	4,897.91	3,658.74
Municipal power.....		4,534.58	329.24	
Street lighting.....	1,955.04	4,033.06	1,469.50	792.00
Merchandise.....				
Miscellaneous.....	119.29	3,422.54	59.22	139.85
Total earnings.....	34,540.47	130,556.72	24,935.68	9,191.70
EXPENSES				
Power purchased.....	4,136.29	98,641.75	16,536.92	5,360.03
Substation operation.....	*6,913.21	936.01		
Substation maintenance.....	*88.99			
Distribution system, operation and maintenance.....	963.77	6,969.36	1,373.22	254.27
Line transformer maintenance.....	236.33	683.51	328.86	
Meter maintenance.....	117.57	266.54	257.86	181.36
Consumers' premises expenses.....		72.15	112.12	
Street lighting, operation and main- tenance.....	258.59	370.83	277.51	64.76
Promotion of business.....				
Billing and collecting.....	1,086.96	1,734.40	970.71	462.56
General office, salaries and expenses.	2,756.05	3,297.06	473.00	425.94
Undistributed expenses.....	326.29	1,122.96		
Truck operation and maintenance...	541.95	738.94	342.40	
Interest.....	2,523.03		3.00	
Sinking fund and principal payments on debentures.....	4,512.29			
Depreciation.....	2,926.00	6,365.00	1,293.00	497.00
Other reserves.....				
Total operating costs and fixed charges.....	27,387.32	121,198.51	21,968.60	7,245.92
Net surplus or deficit.....	7,153.15	9,358.21	2,967.08	1,945.78
NUMBER OF CUSTOMERS				
Domestic service.....	382	776	255	96
Commercial light service.....	89	148	76	23
Power service.....	9	29	10	3
Total.....	480	953	341	122

*Generation expense

Utilities for Year Ended December 31, 1953

Elora 1,413	Embro 472	Erieau 427	Erie Beach 74	Erin 693	Essex 3,075	Etobicoke Twp. 70,209
\$	\$	\$	\$	\$	\$	\$
21,731.90	8,584.71	9,214.03	3,099.75	12,067.85	30,724.91	1,333,873.22
9,095.37	2,295.60	4,585.64	195.72	6,742.46	26,705.32	280,868.24
11,879.42	3,658.29	5,462.76	.....	688.33	14,166.37	375,010.05
400.37	.....	.....	.....	.....	2,613.46	29,531.13
3,223.56	660.00	972.00	252.00	950.76	3,951.20	58,947.31
179.09	.....	.....	.....	.....	.....	.....
353.56	151.37	44.11	0.76	18.24	1,987.29	6,232.79
46,863.27	15,349.97	20,278.54	3,548.23	20,467.64	80,148.55	2,084,462.74
32,675.92	10,090.11	12,156.00	1,503.18	8,732.59	49,893.04	1,348,792.70
.....	.....	.....	.....	.....	.....	8,028.45
3,549.48	506.41	1,006.71	121.86	1,392.75	4,997.55	49,981.49
31.87	160.27	94.12	.....	.....	877.52	8,920.48
230.61	300.79	669.78	141.80	213.25	144.20	12,707.62
.....	403.29	70.47	3.29	.....	425.92	59,393.37
532.48	402.37	274.60	53.47	299.30	917.91	9,172.90
.....	.....	.....	.....	.....	113.50	.....
1,374.64	1,047.10	954.88	279.58	940.47	2,599.27	76,063.64
534.94	266.19	864.17	325.44	457.60	4,222.39	50,304.41
536.75	.....	.....	.....	67.99	429.51	.....
699.14	.....	.....	.....	241.46	1,147.10	.....
12.62	3.34	458.23	19.40	424.08	157.21	116,684.73
.....	.....	.....	.....	725.00	1,390.92	88,400.00
1,287.00	979.00	1,308.00	230.00	660.00	4,380.00	82,737.00
.....	.....	.....	.....	.....	.....	1,000.00
41,465.45	14,158.87	17,856.96	2,678.02	14,154.49	71,696.04	1,912,186.79
5,397.82	1,191.10	2,421.58	870.21	6,313.15	8,452.51	172,275.95
425	165	268	123	281	841	21,680
75	40	25	4	56	175	1,337
7	5	4	.....	2	29	253
507	210	297	127	339	1,045	23,270

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Exeter	Fergus	Finch	Flesherton
Population	2,605	3,406	370	472
EARNINGS	\$	\$	\$	\$
Domestic service	49,514.78	54,233.19	4,920.96	5,285.50
Commercial light service	22,394.81	19,690.27	2,902.06	4,921.90
Commercial power service	14,089.60	34,190.37	2,112.57	567.54
Municipal power	1,083.56	1,287.41		
Street lighting	4,939.49	5,801.94	884.00	991.00
Merchandise				0.95
Miscellaneous	1,269.35	751.00	233.21	377.59
Total earnings	93,291.59	115,954.18	11,052.80	12,144.48
EXPENSES				
Power purchased	63,649.95	92,554.79	5,475.97	5,500.22
Substation operation		503.79		
Substation maintenance				
Distribution system, operation and maintenance	3,478.93	5,816.60	796.06	732.79
Line transformer maintenance	509.29	696.89		65.00
Meter maintenance	132.55	896.91	60.86	54.15
Consumers' premises expenses	1,344.81	32.15		
Street lighting, operation and maintenance	1,384.68	1,192.34	215.01	208.92
Promotion of business	217.91			
Billing and collecting	4,456.66	2,882.84	711.68	603.76
General office, salaries and expenses	4,308.42	2,155.79	264.06	248.36
Undistributed expenses	231.06	1,417.90		11.28
Truck operation and maintenance	792.90	682.35		
Interest	6.28	15.49		
Sinking fund and principal payments on debentures				
Depreciation	3,911.00	4,405.00	663.00	724.00
Other reserves				
Total operating costs and fixed charges	84,424.44	113,252.84	8,186.64	8,148.48
Net surplus or deficit	8,867.15	2,701.34	2,866.16	3,996.00
NUMBER OF CUSTOMERS				
Domestic service	831	1,028	128	154
Commercial light service	167	132	35	56
Power service	27	19	6	2
Total	1,025	1,179	169	212

Utilities for Year Ended December 31, 1953

Fonthill 1,621	Forest 1,800	Forest Hill 17,719	Frankford 1,425	Galt 21,513	Georgetown 3,779
\$	\$	\$	\$	\$	\$
25,486.63	29,118.58	396,992.93	18,257.31	304,554.30	69,134.24
5,895.76	15,966.23	96,417.88	7,219.28	141,434.37	24,926.31
1,924.61	7,951.44	12,503.25	1,256.10	359,145.70	59,168.91
1,392.49	1,403.52	517.04		7,992.02	3,778.09
2,613.44	3,294.56	16,221.66	1,345.43	35,263.00	4,936.36
				1,745.36	
	1,203.23	2,488.24	137.72	6,748.07	552.38
37,312.93	58,937.56	525,141.00	28,215.84	856,882.82	162,496.29
24,016.92	40,410.10	328,359.39	11,055.76	584,305.94	125,537.94
				13,997.94	
		2,883.27		12,468.63	312.76
1,831.98	3,475.99	8,876.99	542.60	23,109.90	5,446.69
332.44	127.76	1,752.10		2,837.14	968.64
787.48	365.43	525.93	318.38	10,037.66	2,176.52
1,353.16	1,935.14	19,761.31		2,243.76	1,897.86
455.71	387.61	3,509.86	97.84	6,352.06	1,099.91
				2,090.81	
1,536.93	1,257.50	13,774.15	1,512.10	11,990.68	5,347.18
916.18	2,950.59	18,161.51	834.66	18,462.52	4,431.02
	961.28			10,581.80	
	374.05				
608.16		3,604.56	420.00	22,671.39	36.23
1,200.00		17,228.71	2,000.00	5,000.00	
1,683.31	1,685.00	27,631.00	1,000.00	51,817.00	5,762.00
		200.00		196.42	
34,722.27	53,930.45	446,268.78	17,781.34	778,163.65	153,016.75
2,590.66	5,007.11	78,872.22	10,434.50	78,719.17	9,479.54
485	623	5,329	387	6,248	1,283
59	135	463	77	688	164
8	20	60	5	190	32
552	778	5,852	469	7,126	1,479

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Glencoe	Goderich	Grand Valley	Granton
Population.....	945	5,675	632	266
EARNINGS	\$	\$	\$	\$
Domestic service.....	7,673.25	95,951.83	9,511.46	4,366.48
Commercial light service.....	10,647.57	47,029.41	3,966.95	1,153.37
Commercial power service.....	2,103.63	61,592.12	4,668.92	174.22
Municipal power.....	745.62	5,141.34		
Street lighting.....	2,655.48	10,876.00	1,157.00	444.00
Merchandise.....		276.21		
Miscellaneous.....	769.03	1,749.27	244.15	31.46
Total earnings.....	24,594.58	222,616.18	19,548.48	6,169.53
EXPENSES				
Power purchased.....	13,670.48	127,853.40	15,024.74	3,532.87
Substation operation.....		3,199.35		
Substation maintenance.....				
Distribution system, operation and maintenance.....	1,405.87	10,565.36	451.84	721.18
Line transformer maintenance.....	15.72	518.03		205.35
Meter maintenance.....	84.20	1,847.38	177.55	4.03
Consumers' premises expenses.....	17.04	178.81		27.91
Street lighting, operation and maintenance.....	336.81	1,810.98	213.50	73.58
Promotion of business.....				
Billing and collecting.....	1,019.17	5,304.94	948.87	634.63
General office, salaries and expenses.....	2,029.24	6,146.89	322.48	180.70
Undistributed expenses.....	81.17	1,945.58		
Truck operation and maintenance.....	302.32	1,450.80		
Interest.....		4,998.63		25.91
Sinking fund and principal payments on debentures.....		5,736.37		281.59
Depreciation.....	1,966.00	12,076.00	710.00	291.00
Other reserves.....				
Total operating costs and fixed charges.....	20,928.02	183,632.52	17,848.98	5,978.75
Net surplus or deficit.....	3,666.56	38,983.66	1,699.50	190.78
NUMBER OF CUSTOMERS				
Domestic service.....	308	1,766	242	90
Commercial light service.....	92	302	57	26
Power service.....	11	52	11	1
Total.....	411	2,120	310	117

Utilities for Year Ended December 31, 1953

Gravenhurst 3,012	Grimsby 3,188	Guelph 29,544	Hagersville 1,790	Hamilton 216,921	Hanover 3,985
\$	\$	\$	\$	\$	\$
40,241.41	37,325.12	349,039.83	17,074.70	2,559,161.24	51,661.74
26,275.64	24,152.32	139,595.74	15,756.14	1,282,714.06	21,112.51
30,135.84	13,537.48	303,225.68	37,946.80	5,527,432.88	43,641.60
971.71	3,452.35	21,913.42	1,326.00	134,862.35	.....
3,356.04	4,790.27	32,187.05	3,105.05	265,983.77	3,514.74
163.39	5.76	.....	672.36	.....	95.19
508.33	660.00	6,053.67	1,335.68	127,524.42	3,643.82
101,652.36	83,923.30	852,015.39	77,216.73	9,897,678.72	123,669.60
70,372.50	67,283.11	690,824.44	55,758.02	7,593,738.98	84,082.91
.....	.....	13,799.85	.....	213,190.45	.....
.....	.....	.....	277.02	26,295.48	.....
3,950.69	1,695.86	31,376.63	5,756.33	183,584.88	6,322.46
158.62	.....	7,139.31	563.91	25,921.18	324.28
875.20	678.42	10,204.07	872.74	105,198.88	1,092.68
.....	70.01	3,014.11	62.20	69,190.80	1,217.96
767.85	797.51	4,790.52	245.18	50,192.90	534.31
.....	.....	.....	.....	33,700.97	.....
3,297.96	4,174.89	15,358.44	1,790.71	221,452.33	2,987.20
2,694.11	2,921.07	16,542.96	1,440.22	197,111.73	3,713.86
757.51	.....	357.58	1,020.09	54,411.73	1,304.73
771.79	.....	.....	326.08	.....	691.00
.....	78.35	12,183.32	.....	12,796.78	.....
.....	.....	16,000.00	.....	.....	.....
4,352.00	3,264.83	43,235.00	1,468.00	285,422.81	4,436.00
.....
87,998.23	80,964.05	864,826.23	69,580.50	9,072,209.90	106,707.39
13,654.13	2,959.25	12,810.84	7,636.23	825,468.82	16,962.21
992	993	7,997	524	57,557	1,134
178	179	943	144	7,087	178
23	18	195	23	1,410	33
1,193	1,190	9,135	691	66,054	1,345

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Harriston	Harrow	Hastings	Havelock
Population.....	1,575	1,762	870	1,252
EARNINGS	\$	\$	\$	\$
Domestic service.....	24,473.35	32,043.98	9,370.62	13,364.06
Commercial light service.....	13,058.43	19,288.40	6,249.46	7,242.02
Commercial power service.....	18,312.22	9,276.13	425.62	1,928.45
Municipal power.....	544.38			
Street lighting.....	2,384.00	1,973.64	1,721.36	2,116.04
Merchandise.....	174.29			
Miscellaneous.....	82.50	459.99	321.31	428.83
Total earnings.....	59,029.17	63,042.14	18,088.37	25,079.40
EXPENSES				
Power purchased.....	38,048.16	39,223.19	8,611.08	12,314.71
Substation operation.....				
Substation maintenance.....				
Distribution system, operation and maintenance.....	1,928.04	4,920.22	1,282.51	259.17
Line transformer maintenance.....	211.03	370.62	194.92	38.80
Meter maintenance.....	277.64	161.28	898.50	470.57
Consumers' premises expenses.....	801.97	165.46	8.08	24.79
Street lighting, operation and maintenance.....	280.45	1,035.05	462.04	528.18
Promotion of business.....		60.59		
Billing and collecting.....	2,209.44	3,923.56	1,859.54	1,482.65
General office, salaries and expenses.....	906.89	2,481.70	1,205.47	1,952.00
Undistributed expenses.....	207.36			
Truck operation and maintenance.....	64.46			
Interest.....				997.50
Sinking fund and principal payments on debentures.....				1,500.00
Depreciation.....	2,486.00	2,643.00	853.00	1,670.00
Other reserves.....				
Total operating costs and fixed charges.....	47,421.44	54,984.67	15,375.14	21,238.37
Net surplus or deficit.....	11,607.73	8,057.47	2,713.23	3,841.03
NUMBER OF CUSTOMERS				
Domestic service.....	474	498	343	347
Commercial light service.....	111	109	66	65
Power service.....	16	8	3	2
Total.....	601	615	412	414

Utilities for Year Ended December 31, 1953

Hensall	Hespeler	Highgate	Holstein	Huntsville	Ingersoll	Iroquois
759	3,851	376	174	3,288	6,607	1,078
\$	\$	\$	\$	\$	\$	\$
11,492.19	47,770.66	2,949.61	2,420.11	42,147.54	86,636.78	17,690.62
6,881.70	15,539.02	1,779.80	633.97	37,787.77	46,409.37	6,688.49
10,743.33	114,624.48	3,758.42	731.78	24,045.32	94,635.90	1,565.96
498.68	3,706.18			1,867.96	8,978.43	1,318.64
1,128.00	7,742.00	760.08	360.00	4,501.50	8,780.65	1,882.00
				169.73		
72.44	2,889.67	158.27	61.72	11.50	2,223.29	367.22
30,816.34	192,272.01	9,406.18	4,207.58	110,531.32	247,664.42	29,512.93
19,422.62	146,709.74	7,104.18	2,634.45	79,713.18	176,689.15	18,955.51
	924.93				2,427.91	
1,310.62	7,797.71	747.31	158.46	6,501.98	5,450.44	680.21
240.48	186.93			215.69	1,933.09	293.07
136.43	1,027.81	12.83	11.00	1,708.16	4,534.19	629.22
714.65	73.77				2,371.39	
278.09	1,060.06	69.21	79.49	1,046.15	1,485.38	480.06
					398.23	
588.63	3,805.55	453.26	253.20	3,405.18	5,093.82	2,252.65
420.41	3,022.48	245.61	254.94	4,085.43	13,485.71	1,537.81
47.67	2,084.28			1,635.24	3,502.60	98.11
	1,374.91			737.72	1,689.11	291.04
30.84		7.96		10.31	3,301.98	
					2,728.81	
1,904.00	5,956.00	431.00	267.00	3,169.00	9,113.00	844.00
25,094.44	174,024.17	9,071.36	3,658.54	102,228.04	234,204.81	26,061.68
5,721.90	18,247.84	334.82	549.04	8,303.28	13,459.61	3,451.25
250	1,051	120	74	905	1,917	365
61	117	30	17	189	256	67
20	31	7	1	26	46	9
331	1,199	157	92	1,120	2,219	441

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Jarvis	Kemptville	Kincardine	Kingston
Population.....	633	1,566	2,680	44,888
EARNINGS	\$	\$	\$	\$
Domestic service.....	5,021.62	22,504.28	33,378.07	556,622.80
Commercial light service.....	4,393.84	10,816.35	19,059.54	394,049.24
Commercial power service.....	4,864.02	18,223.52	21,815.04	247,579.35
Municipal power.....	1,233.15	1,399.04	1,399.04	19,625.52
Street lighting.....	858.00	2,021.00	4,674.89	35,293.23
Merchandise.....			29.43	
Miscellaneous.....	368.36	595.82	1,191.12	17,424.67
Total earnings.....	15,505.84	55,394.12	81,547.13	1,270,594.81
EXPENSES				
Power purchased.....	10,439.30	34,069.27	56,927.62	763,463.39
Substation operation.....			2,555.73	21,529.18
Substation maintenance.....				4,522.61
Distribution system, operation and maintenance.....	710.27	3,214.33	3,318.91	50,157.87
Line transformer maintenance.....		115.81	467.80	2,596.06
Meter maintenance.....	6.20	1,402.68	1,419.70	18,360.34
Consumers' premises expenses.....		201.44	2,393.76	1,622.51
Street lighting, operation and maintenance.....	173.57	203.50	971.44	7,536.34
Promotion of business.....				1,133.21
Billing and collecting.....	1,048.79	2,273.85	2,657.99	25,273.01
General office, salaries and expenses.....	133.02	1,471.26	2,461.32	76,614.51
Undistributed expenses.....		141.72	1,504.16	24,514.79
Truck operation and maintenance.....		720.19	775.30	15,112.86
Interest.....			2.95	
Sinking fund and principal payments on debentures.....				
Depreciation.....	887.00	2,069.00	4,313.00	72,576.00
Other reserves.....				
Total operating costs and fixed charges.....	13,398.15	45,883.05	79,769.68	1,085,012.68
Net surplus or deficit.....	2,107.69	9,511.07	1,777.45	185,582.13
NUMBER OF CUSTOMERS				
Domestic service.....	192	510	885	11,374
Commercial light service.....	52	97	157	1,352
Power service.....	7	13	22	220
Total.....	251	620	1,064	12,946

Utilities for Year Ended December 31, 1953

Kingsville	Kirkfield	Kitchener	Lakefield	Lambeth	Lanark	Lancaster
2,670	232	52,773	1,837	1,307	814	577
\$	\$	\$	\$	\$	\$	\$
38,476.65	2,572.46	811,903.73	20,593.51	26,726.90	6,643.25	4,899.84
27,745.39	1,898.44	365,320.01	14,748.76	2,991.57	4,217.45	3,050.39
13,595.44		898,389.86	18,573.15	1,122.61	1,229.02	
1,907.04		54,255.05		769.14		
3,641.31	432.00	96,365.62	2,459.37	1,271.76	693.00	562.40
1,328.63	91.74	12,418.90	887.11	101.60	528.05	173.98
86,694.46	4,994.64	2,238,653.17	57,261.90	32,983.58	13,310.77	8,686.61
53,390.12	2,170.01	1,519,804.01	29,620.87	20,986.40	6,548.52	4,187.33
		28,701.95				
		29,080.21				
3,937.51	323.59	73,783.46	3,337.29	687.82	350.67	218.90
209.86		11,529.54	174.12	364.15	19.25	
1,060.24	39.80	15,207.92	511.90	63.61	213.55	51.83
		4,162.48	3.78	142.38		
918.28	49.00	17,484.84	351.61	515.01	191.91	160.11
		1,159.04				
3,931.90	290.00	43,920.46	4,403.25	2,066.03	703.34	572.20
3,040.39	137.30	58,352.72	2,545.61	855.28	333.69	197.31
		9,766.67	306.83			
306.89			1,203.11			
311.57		34,159.93		1,099.36		
2,166.02		73,200.00		1,616.38		
3,900.00	401.00	94,165.00	2,517.00	1,493.00	762.00	342.00
73,172.78	3,410.70	2,014,478.23	44,975.37	29,889.42	9,122.93	5,729.68
13,521.68	1,583.94	224,174.94	12,286.53	3,094.16	4,187.84	2,956.93
899	72	14,451	518	409	236	149
190	27	1,505	103	37	49	31
29		397	11	3	1	
1,118	99	16,353	632	449	286	180

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	La Salle	Leamington	Lindsay	Listowel
Population.....	2,145	7,732	9,843	3,477
EARNINGS	\$	\$	\$	\$
Domestic service.....	42,496.50	81,573.03	154,297.33	54,767.07
Commercial light service.....	9,594.12	47,343.37	78,851.73	36,896.14
Commercial power service.....	2,021.29	64,810.49	94,029.87	33,174.20
Municipal power.....		4,088.18	4,705.62	1,949.42
Street lighting.....	1,283.50	10,945.25	9,297.07	6,319.36
Merchandise.....			1,366.03	126.28
Miscellaneous.....	1,143.24	386.89	1,923.35	647.57
Total earnings.....	56,538.65	209,147.21	344,471.00	133,880.04
EXPENSES				
Power purchased.....	32,464.16	147,656.32	210,523.40	93,796.09
Substation operation.....		866.13	5,224.70	1,540.47
Substation maintenance.....			69.69	
Distribution system, operation and maintenance.....	1,624.98	4,679.72	7,637.21	4,198.44
Line transformer maintenance.....	414.20	1,445.55	817.19	894.33
Meter maintenance.....	364.75	271.12	2,884.76	1,005.98
Consumers' premises expenses.....	506.87	11.58	11,210.27	489.88
Street lighting, operation and maintenance.....	235.95	3,262.60	1,214.84	1,462.41
Promotion of business.....		27.00		
Billing and collecting.....	1,793.58	5,860.98	9,704.66	3,066.27
General office, salaries and expenses.....	1,991.82	9,070.88	16,695.90	2,970.02
Undistributed expenses.....	144.86	1,572.09	8,555.09	866.41
Truck operation and maintenance.....	907.32	1,665.37	2,425.63	1,183.51
Interest.....	145.17	16.34	3,471.49	3,046.83
Sinking fund and principal payments on debentures.....				
Depreciation.....	2,561.00	9,160.00	15,526.00	4,072.00
Other reserves.....		225.00		
Total operating costs and fixed charges.....	43,154.66	185,790.68	295,960.83	118,592.64
Net surplus or deficit.....	13,383.99	23,356.53	48,510.17	15,287.40
NUMBER OF CUSTOMERS				
Domestic service.....	580	2,271	2,827	1,087
Commercial light service.....	43	395	450	199
Power service.....	6	51	83	35
Total.....	629	2,717	3,360	1,321

Utilities for Year Ended December 31, 1953

London 99,147	London Twp. 20,814	Long Branch 9,140	L'Original 1,044	Lucan 896	Lucknow 911	Lynden 435
\$	\$	\$	\$	\$	\$	\$
1,238,644.11	48,720.34	126,594.68	6,243.42	14,813.38	11,686.92	7,069.37
620,858.40	6,977.02	40,125.00	2,523.63	7,978.72	6,655.70	1,315.07
956,989.46	2,735.23	42,597.03	892.38	2,625.85	10,437.78	2,251.13
116,768.53		3,026.61			577.15	
108,470.24	1,700.00	9,734.68	360.00	1,641.85	2,392.00	500.00
1,243.70						
35,598.69	82.53	368.37		227.27	500.50	277.61
3,078,573.13	60,215.12	222,446.37	10,019.43	27,287.07	32,250.05	11,413.18
2,024,753.03	44,346.68	149,434.32	2,699.99	19,662.95	20,634.00	8,043.91
78,834.93						
70,731.36	2,207.30	9,334.12	233.27	482.43	2,667.23	184.93
35,830.16	143.28	1,602.90	28.55	122.70	193.75	
47,279.19	109.99	494.04	14.77	57.67	399.39	78.01
126,359.31	258.20	3,918.98	12.77	312.16		
21,902.40	847.96	2,817.42	127.23	99.05	447.34	136.25
5,629.05						
64,444.38	3,285.02	10,940.08	332.62	906.61	1,826.05	331.01
127,742.44	1,300.92	9,078.34	20.55	682.09	1,313.59	316.57
22,758.63				31.20	87.94	
4,103.41					75.50	
24,270.26	902.92	2,952.38	588.40	157.15	24.41	
24,000.00	1,251.90		500.00			
125,742.00	2,628.00	6,054.00	663.00	1,423.00	1,567.00	358.00
10,119.98		250.00				
2,814,500.53	57,282.17	196,876.58	5,221.15	23,937.01	29,236.20	9,448.68
264,072.60	2,932.95	25,569.79	4,798.28	3,350.06	3,013.85	1,964.50
26,096	856	2,419	248	260	365	136
2,545	25	282	21	62	107	14
429	4	30	2	6	12	3
29,070	885	2,731	271	328	484	153

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Madoc	Magnet- awan 225	Markdale	Markham
Population.....	1,422		872	1,913
EARNINGS	\$	\$	\$	\$
Domestic service.....	16,371.43	3,120.60	8,614.12	29,326.48
Commercial light service.....	13,104.56	2,660.73	7,447.75	10,469.77
Commercial power service.....	7,799.82	43.26	1,691.45	5,041.23
Municipal power.....	299.69		449.02	478.97
Street lighting.....	2,869.32	819.96	1,360.00	2,020.00
Merchandise.....				
Miscellaneous.....	147.08	22.24	0.37	360.00
Total earnings.....	40,591.90	6,666.79	19,562.71	47,696.45
EXPENSES				
Power purchased.....	20,048.61	2,211.17	15,518.63	34,187.24
Substation operation.....				
Substation maintenance.....				
Distribution system, operation and maintenance.....	806.80	162.80	669.41	891.19
Line transformer maintenance.....	102.25		21.29	106.00
Meter maintenance.....	483.09	79.95	113.51	263.55
Consumers' premises expenses.....				12.76
Street lighting, operation and main- tenance.....	663.17	158.24	436.96	390.26
Promotion of business.....				
Billing and collecting.....	2,245.34	285.03	1,001.68	2,480.75
General office, salaries and expenses.	1,311.71	97.14	371.53	1,365.94
Undistributed expenses.....	255.16			
Truck operation and maintenance.....				
Interest.....	2.47	960.00		16.89
Sinking fund and principal payments on debentures.....				
Depreciation.....	1,979.00	487.00	1,127.00	2,377.00
Other reserves.....				15.00
Total operating costs and fixed charges.....	27,897.60	4,441.33	19,260.01	42,106.58
Net surplus or deficit.....	12,694.30	2,225.46	302.70	5,589.87
NUMBER OF CUSTOMERS				
Domestic service.....	409	61	274	587
Commercial light service.....	118	21	84	90
Power service.....	9	1	7	12
Total.....	536	83	365	689

Utilities for Year Ended December 31, 1953

Marmora 1,231	Martin- town 125	Maxville 734	Meaford 3,372	Merlin 543	Merrick- ville 988	Merritton 5,135
\$	\$	\$	\$	\$	\$	\$
12,618.28	2,639.02	7,215.63	39,786.67	4,890.56	9,381.46	68,212.69
9,616.76	1,684.60	5,337.18	22,551.11	4,738.59	4,816.51	16,334.48
1,625.22		2,149.80	23,880.07	2,328.80	4,416.41	461,516.43
			1,221.84		480.86	2,672.19
2,365.00	253.00	1,131.00	4,413.64	970.44	1,479.96	9,602.87
			232.95			34.67
339.76	84.09	225.97	1,414.19	1,792.25	107.64	3,353.24
26,565.02	4,660.71	16,059.58	93,500.47	14,720.64	20,682.84	561,726.57
13,921.52	2,860.60	9,365.64	62,199.77	8,010.70	9,234.26	495,040.51
						1,687.93
2,140.67	94.82	847.95	6,636.38	287.07	1,682.66	11,916.33
267.91		4.50	275.63	19.20		164.66
443.78	30.21	111.35	1,197.23	33.63	404.62	3,186.50
			26.10	120.67	59.48	1,070.48
524.45	54.84	241.63	798.00	155.40	794.58	1,255.58
						133.20
1,210.79	407.80	715.48	2,649.02	865.00	1,420.34	9,508.87
786.74	158.29	453.30	2,113.31	1,934.28	698.32	9,560.06
344.42		16.84	798.35			
199.72			902.40			
				6.43	812.00	
					900.00	
1,043.00	285.00	906.00	3,842.00	1,253.00	817.00	8,960.00
20,883.00	3,891.56	12,662.69	81,438.19	12,685.38	16,823.26	542,484.12
5,682.02	769.15	3,396.89	12,062.28	2,035.26	3,859.58	19,242.45
346	79	216	1,069	165	275	1,353
67	24	54	185	58	52	96
3		2	30	4	9	21
416	103	272	1,284	227	336	1,470

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Midland	Mildmay	Millbrook	Milton	Milverton
Population.....	7,539	815	746	2,650	1,074
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	97,541.53	9,036.66	10,884.57	45,988.16	16,991.52
Commercial light service.....	42,932.42	5,611.55	5,793.62	20,507.55	10,280.81
Commercial power service.....	122,525.30	1,538.82	757.07	65,682.22	11,556.34
Municipal power.....	3,043.84	208.51		1,527.16	650.47
Street lighting.....	7,753.98	968.75	1,231.96	6,880.72	1,564.00
Merchandise.....	112.97				3.10
Miscellaneous.....	2,806.65	331.83	174.23	184.00	123.03
Total earnings.....	276,716.69	17,696.12	18,841.45	140,769.81	41,169.27
EXPENSES					
Power purchased.....	197,493.56	10,037.90	9,131.76	99,463.33	32,764.40
Substation operation.....	7,181.60				
Substation maintenance.....	73.86			188.58	
Distribution system, operation and maintenance.....	4,885.68	1,356.99	285.41	2,993.91	1,777.75
Line transformer maintenance.....	1,579.31			154.51	444.66
Meter maintenance.....	3,564.44	41.90	23.73	659.96	101.06
Consumers' premises expenses.....	70.98			969.37	
Street lighting, operation and maintenance.....	1,929.89	303.90	157.38	1,344.17	366.76
Promotion of business.....	8.36				
Billing and collecting.....	4,148.39	597.25	2,017.66	3,678.52	1,697.35
General office, salaries and expenses.....	8,669.52	532.37	1,865.62	6,014.31	574.89
Undistributed expenses.....	3,529.38	25.13			59.77
Truck operation and maintenance.....	1,608.45				697.25
Interest.....	907.66			1,174.46	57.35
Sinking fund and principal payments on debentures.....				828.78	
Depreciation.....	12,223.00	707.00	759.00	5,565.00	1,420.00
Other reserves.....				60.00	
Total operating costs and fixed charges.....	247,874.08	13,602.44	14,240.56	123,094.90	39,961.24
Net surplus or deficit.....	28,842.61	4,093.68	4,600.89	17,674.91	1,208.03
NUMBER OF CUSTOMERS					
Domestic service.....	2,076	239	240	845	334
Commercial light service.....	268	64	61	136	85
Power service.....	62	7	2	21	15
Total.....	2,406	310	303	1,002	434

Utilities for Year Ended December 31, 1953

Mimico 12,301	Mitchell 1,996	Moorefield 293	Morrisburg 1,874	Mount Brydges 695	Mount Forest 2,219	Napanee 3,877
\$	\$	\$	\$	\$	\$	\$
187,004.82	37,770.42	3,214.91	22,319.34	7,658.96	26,219.33	57,300.78
54,260.56	17,481.01	2,341.16	14,476.79	2,749.55	19,785.54	41,906.79
29,540.77	16,078.04	1,475.28	7,417.32	2,434.38	12,146.05	23,985.85
10,368.10	2,345.41	.....	1,627.98	.....	780.96	586.46
13,534.58	4,138.50	350.00	3,300.24	947.00	2,788.00	5,858.43
.....	748.69	.....	.....	.....	.....	5,117.42
5,847.12	1,338.37	77.41	1,050.95	38.23	770.05	1,332.66
300,555.95	79,900.44	7,458.76	50,192.62	13,828.12	62,489.93	136,088.39
174,063.68	47,813.63	4,605.51	27,834.10	8,443.73	37,430.65	84,080.76
.....	1,684.32	.....	*3,359.57	.....	.....	.....
1,734.19	.....	.....	.....	.....	.....	.....
24,199.68	3,912.63	68.54	2,598.96	115.63	4,345.35	5,010.72
488.58	766.62	.....	682.91	.....	134.30	117.58
1,160.54	1,436.86	39.31	882.65	.....	709.42	1,617.53
1,010.81	2,692.97	.....	.....	11.22	.....	2,025.82
3,143.52	1,392.35	99.03	466.03	99.97	579.17	1,229.35
10,331.88	2,719.90	274.12	2,146.67	1,407.03	2,522.00	2,467.08
14,623.10	2,327.38	99.33	2,414.90	67.19	992.70	13,851.69
.....	1,892.57	.....	650.57	.....	210.25	1,148.32
.....	1,453.11	.....	1,576.10	.....	1,114.62	295.20
5,142.50	1,182.05	.....	.....	4.53	.....	.....
4,000.00	900.00	.....	.....	.....	.....	.....
15,909.00	4,335.00	239.00	1,648.00	846.00	1,603.00	5,205.00
255,807.48	74,509.39	5,424.84	44,260.46	10,995.30	49,641.46	117,049.05
44,748.47	5,391.05	2,033.92	5,932.16	2,832.82	12,848.47	19,039.34
3,563	656	82	538	232	666	1,177
284	136	27	142	51	167	248
48	27	2	31	4	22	31
3,895	819	111	711	287	855	1,456

*Generation expense

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Neustadt	Newboro	Newburgh	Newbury	Newcastle
Population	458	302	491	288	1,025
EARNINGS	\$	\$	\$	\$	\$
Domestic service	4,441.40	3,954.82	6,062.13	3,301.35	12,973.95
Commercial light service	2,550.58	1,410.62	3,034.57	1,149.60	6,714.98
Commercial power service	4,736.78		1,545.62	209.72	10,382.95
Municipal power					
Street lighting	650.00	799.98	555.00	720.00	1,892.70
Merchandise					
Miscellaneous	488.53	66.87	42.09	219.06	365.16
Total earnings	12,867.29	6,232.29	11,239.41	5,599.73	32,329.74
EXPENSES					
Power purchased	6,740.60	1,697.35	4,711.91	3,406.13	21,168.10
Substation operation					
Substation maintenance					
Distribution system, operation and maintenance	290.89	365.09	367.47	59.53	1,530.61
Line transformer maintenance			28.45	10.00	29.45
Meter maintenance	57.30	16.00	61.41	10.00	466.40
Consumers' premises expenses					270.00
Street lighting, operation and maintenance	103.66	35.47	31.15	118.39	406.41
Promotion of business					
Billing and collecting	1,036.95	362.32	700.61	235.75	1,535.45
General office, salaries and expenses	522.79	211.76	151.16	181.30	1,387.36
Undistributed expenses	39.92			6.00	452.73
Truck operation and maintenance					206.09
Interest	53.69	453.32	475.82		
Sinking fund and principal payments on debentures		691.34	1,050.00		
Depreciation	1,030.00	454.00	641.00	362.00	910.00
Other reserves					
Total operating costs and fixed charges	9,875.80	4,286.65	8,218.98	4,389.10	28,362.60
Net surplus or deficit	2,991.49	1,945.64	3,020.43	1,210.63	3,967.14
NUMBER OF CUSTOMERS					
Domestic service	153	92	141	101	313
Commercial light service	36	18	24	23	50
Power service	3		3	1	11
Total	192	110	168	125	374

Utilities for Year Ended December 31, 1953

New Hamburg 1,822	New- market 5,686	New Toronto 9,744	Niagara 2,535	Niagara Falls 25,006	North York Twp. 110,311	Norwich 1,415
\$	\$	\$	\$	\$	\$	\$
27,600.73	80,779.61	136,192.34	56,298.08	265,659.16	2,224,921.67	26,440.34
13,923.76	38,068.02	77,898.89	16,857.42	198,908.47	454,808.98	12,454.77
16,532.72	39,311.65	390,607.08	2,930.64	204,259.42	399,450.84	3,877.23
.....	2,221.55	30,380.01	1,541.61	29,172.78	41,139.87	697.67
2,754.06	10,137.95	15,596.16	5,382.90	43,192.52	53,485.39	3,172.67
269.90	.....	.....	933.05	.....	.....	129.59
423.57	70.39	5,916.47	150.21	4,223.77	4,936.17	412.96
61,504.74	170,589.17	656,590.95	84,093.91	745,416.12	3,178,742.92	47,185.23
42,339.78	111,205.10	541,665.13	50,918.61	467,433.84	1,940,782.96	32,023.40
439.53	.....	.....	552.89	24,392.77	.....	.....
.....	1,593.15	.....	.....	.....	14,620.85	.....
2,217.59	6,034.09	8,987.16	6,328.18	34,480.06	96,445.25	4,983.69
217.43	732.82	2,880.06	691.39	3,399.60	19,998.20	460.80
486.59	914.07	3,183.96	1,379.77	6,950.37	17,486.77	420.10
1,729.55	100.41	259.49	156.32	9,121.05	14,758.40	1,860.25
551.19	1,852.71	3,399.81	1,225.24	6,801.95	17,427.10	280.97
1,787.40	6,485.17	11,726.00	2,928.88	24,781.68	112,689.85	1,354.05
1,513.14	6,167.56	21,857.89	2,407.13	25,908.98	78,470.95	1,478.13
464.33	.....	.....	.....	.....	.....	213.44
307.84	.....	.....	.....	.....	.....	167.55
18.70	1,989.14	.....	732.85	.....	162,215.27	205.82
.....	2,272.78	.....	1,200.00	.....	138,799.88	.....
2,444.00	7,344.00	14,693.00	5,210.00	49,333.00	134,964.00	1,686.00
.....	.....	.....	.....	.....	6,937.09	.....
54,517.07	146,691.00	608,652.50	73,731.26	652,603.30	2,755,596.57	45,134.20
6,987.67	23,898.17	47,938.45	10,362.65	92,812.82	423,146.35	2,051.03
498	1,623	2,533	980	6,060	32,561	489
118	247	347	115	1,029	2,173	106
19	43	75	13	169	317	11
635	1,913	2,955	1,108	7,258	35,051	606

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Norwood	Oakville	Oil Springs	Omemece
Population.....	1,026	8,122	494	773
EARNINGS	\$	\$	\$	\$
Domestic service.....	12,074.60	110,102.97	4,342.35	8,785.00
Commercial light service.....	7,396.69	80,440.16	2,367.87	3,570.44
Commercial power service.....	3,831.21	92,094.74	5,986.35	1,700.08
Municipal power.....	358.86	8,931.58	197.59	.....
Street lighting.....	3,036.85	10,884.84	746.00	1,376.95
Merchandise.....	.....	.....	.....	.....
Miscellaneous.....	148.72	1,900.99	1,272.96	349.96
Total earnings.....	26,846.93	304,355.28	14,913.12	15,782.43
EXPENSES				
Power purchased.....	12,607.96	192,346.46	8,745.09	8,252.12
Substation operation.....	.....	.....	.....	.....
Substation maintenance.....	.....	561.24	.....	.....
Distribution system, operation and maintenance.....	387.74	5,112.05	551.19	1,722.53
Line transformer maintenance.....	41.84	2,560.40	.....	223.40
Meter maintenance.....	377.62	2,593.57	91.78	336.93
Consumers' premises expenses.....	83.48	957.46	6.29	18.75
Street lighting, operation and maintenance.....	296.90	2,463.19	122.54	563.45
Promotion of business.....	.....	.....	4.70	.....
Billing and collecting.....	1,210.02	10,720.99	1,251.68	876.08
General office, salaries and expenses.....	1,251.58	14,205.63	941.29	397.93
Undistributed expenses.....	.....	.....	.....	58.48
Truck operation and maintenance.....	.....	.....	.....	.....
Interest.....	680.00	10,013.60	.....	.....
Sinking fund and principal payments on debentures.....	1,000.00	5,000.00	.....	.....
Depreciation.....	2,083.00	14,439.00	956.00	879.00
Other reserves.....	.....	476.33	.....	.....
Total operating costs and fixed charges.....	20,020.14	261,449.92	12,670.56	13,328.67
Net surplus or deficit.....	6,826.79	42,905.36	2,242.56	2,453.76
NUMBER OF CUSTOMERS				
Domestic service.....	296	2,337	139	235
Commercial light service.....	73	427	38	39
Power service.....	5	86	32	6
Total.....	374	2,850	209	280

Utilities for Year Ended December 31, 1953

Orangeville	Orono	Oshawa	Ottawa	Otterville	Owen Sound	Paisley
3,489	594	44,101	224,577†	601	17,112	746
\$	\$	\$	\$	\$	\$	\$
43,653.31	12,155.32	663,353.16	2,677,252.34	8,399.94	215,205.13	9,624.62
28,932.61	3,676.98	239,520.45	2,285,951.41	3,464.96	122,293.28	5,193.91
8,212.99	581.37	752,729.86	636,886.35	1,240.90	139,660.92	2,401.62
751.58		20,129.16	151,355.54	135.58	151.94	268.70
5,251.69	831.25	58,709.51	180,456.50	1,062.00	16,954.90	1,935.00
44.04					858.02	3.82
1,103.92	450.86	49,945.19	48,680.40	110.13	2,581.21	144.70
87,950.14	17,695.78	1,784,387.33	5,980,582.54	14,413.51	497,705.40	19,572.37
63,558.39	8,297.03	1,060,562.91	3,106,151.75	9,271.73	299,468.86	11,854.84
		2,164.83	* 401,121.80		11,133.23	
		434.83	23,626.06		628.47	
5,787.37	386.95	38,712.16	214,698.23	895.69	14,481.37	1,425.80
283.40	3.20	1,258.67	72,943.32	22.93	2,036.49	203.91
897.15	242.20	15,476.24	75,941.00	57.99	6,770.44	376.21
13.50		22,103.72	12,363.51	223.60	4,595.16	4.58
731.97	187.07	7,320.88	47,180.56	227.10	3,762.50	480.09
		911.16			381.86	
3,102.19	1,615.95	43,698.96	277,897.97	483.62	20,742.17	951.61
1,137.29	1,531.20	36,093.70	124,574.77	557.20	22,881.31	790.85
613.70	161.66	6,767.40		5.00	5,827.68	14.79
272.42						
358.87		9,180.53	155,070.38	1.27	2,841.55	
		13,333.33	247,681.00		5,500.00	
4,360.00	875.00	67,607.00	546,741.00	637.00	19,699.00	1,154.00
			109,115.00		1,000.00	
81,116.25	13,300.26	1,325,626.32	5,415,106.35	12,383.13	421,750.09	17,256.68
6,833.89	4,395.52	458,761.01	565,476.19	2,030.38	75,955.31	2,315.69
1,002	254	12,119	55,305	205	4,702	270
215	43	1,119	7,924	53	657	63
37	3	189	998	9	123	6
1,254	300	13,427	64,227	267	5,482	339

*Includes \$188,546.35 generation expense

†Includes Eastview and Rockcliffe Park

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Palmerston	Paris	Parkhill	Parry Sound
Population	1,618	5,396	1,008	5,264
EARNINGS	\$	\$	\$	\$
Domestic service	22,034.59	64,781.97	17,406.42	62,068.34
Commercial light service	11,572.70	21,658.51	10,146.73	37,855.41
Commercial power service	10,093.27	41,395.08	5,517.13	9,713.45
Municipal power	1,625.73	1,205.78	873.36	3,028.40
Street lighting	3,687.65	12,044.50	2,947.95	7,379.35
Merchandise				
Miscellaneous	935.29	883.98	12.33	3,293.47
Total earnings	49,949.23	141,969.82	36,903.92	123,338.42
EXPENSES				
Power purchased	33,896.08	91,419.03	22,294.52	36,207.67
Substation operation		1,569.44		* 17,442.70
Substation maintenance				769.87
Distribution system, operation and maintenance	2,294.59	6,071.51	2,550.90	6,538.08
Line transformer maintenance	425.53	1,217.31	143.48	527.22
Meter maintenance	456.54	2,158.03	351.31	2,825.41
Consumers' premises expenses	502.89	469.58	147.20	1,327.34
Street lighting, operation and maintenance	935.28	3,710.96	337.39	1,761.81
Promotion of business				
Billing and collecting	1,753.09	3,183.02	1,298.90	5,689.04
General office, salaries and expenses	1,906.48	2,912.17	596.03	11,129.96
Undistributed expenses	467.72	1,873.90	82.43	6,732.38
Truck operation and maintenance	338.21	2,488.79	329.22	2,567.03
Interest		1,089.00	483.00	
Sinking fund and principal payments on debentures		800.00	600.00	
Depreciation	3,015.00	9,428.00	1,632.00	10,825.00
Other reserves				
Total operating costs and fixed charges	45,991.41	128,390.74	30,846.38	104,343.51
Net surplus or deficit	3,957.82	13,579.08	6,057.54	18,994.91
NUMBER OF CUSTOMERS				
Domestic service	493	1,460	360	1,442
Commercial light service	105	212	92	263
Power service	23	34	12	24
Total	621	1,706	464	1,729

*Includes \$17,992.57 generation expense

Utilities for Year Ended December 31, 1953

Penetang- uishene 4,553	Perth 5,042	Peter- borough 39,714	Petrolia 3,293	Picton 4,416	Plattsville 454	Point Edward 2,035
\$	\$	\$	\$	\$	\$	\$
35,883.75	59,951.28	551,790.69	34,038.37	58,917.23	7,083.10	24,616.93
19,869.80	31,850.81	233,316.35	24,795.43	36,088.86	4,290.05	8,344.59
27,205.54	25,912.52	437,274.90	29,693.93	16,016.89	5,681.93	113,547.32
2,057.46	1,101.52	13,659.01		4,071.96		
3,992.33	6,186.02	52,318.26	4,955.04	4,002.00	459.00	2,760.64
133.26	474.97					
2,115.80	3,379.84	2,469.06	2,050.90	1,671.40	179.21	1,656.37
91,257.94	128,856.96	1,290,828.27	95,533.67	120,768.34	17,693.29	150,925.85
67,070.53	88,508.12	806,459.75	47,903.18	82,916.37	14,056.00	109,397.59
	99.66	17,941.26	316.01	36.62		
		5,103.23				
5,456.81	6,001.38	39,509.51	5,503.55	3,015.85	25.62	2,815.25
509.95	431.26	1,489.66	606.22	303.78		1,399.38
1,106.88	1,612.65	27,953.67	823.91	1,062.85	82.53	417.32
929.49	102.34	23,857.72	3,270.60	84.21		1,260.11
904.36	1,172.56	14,305.10	557.95	1,010.03	49.77	820.29
		150.15	23.50			87.18
3,618.14	4,103.83	37,130.03	4,883.19	2,887.88	338.37	3,932.28
2,683.03	7,284.90	19,928.51	8,889.75	4,554.86	38.00	5,194.21
1,492.39	529.98	24,167.76	3,338.73	1,377.15	5.00	16.02
566.40	1,482.46		1,433.08	716.43		
238.20		22,062.09	67.13	2.50	1.39	28.33
		19,300.00				
3,583.00	4,641.00	73,030.00	3,879.00	6,663.00	520.00	2,973.00
88,159.18	115,970.14	1,132,388.44	81,495.80	104,631.53	15,116.68	128,340.96
3,098.76	12,886.82	158,439.83	14,037.87	16,136.81	2,576.61	22,584.89
1,082	1,500	10,864	984	1,404	146	588
163	250	1,334	165	296	29	60
21	34	225	55	45	1	14
1,266	1,784	12,423	1,204	1,745	176	662

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Port Colborne 13,113	Port Credit 4,556	Port Dalhousie 2,762	Port Dover 2,487	Port Elgin 1,627
Population					
EARNINGS	\$	\$	\$	\$	\$
Domestic service	99,345.48	83,409.69	60,947.52	30,208.68	31,926.65
Commercial light service	66,855.08	33,800.95	12,573.51	16,903.16	16,989.84
Commercial power service	47,348.19	27,147.65	13,830.79	15,810.50	5,872.18
Municipal power	8,134.00	6,949.12		31.43	734.94
Street lighting	16,976.71	6,420.00	3,293.00	4,756.25	3,388.45
Merchandise	152.48		113.55	0.30	30.00
Miscellaneous	1,755.47	927.38		9.43	212.23
Total earnings	240,567.41	158,654.79	90,758.37	67,719.75	59,154.29
EXPENSES					
Power purchased	148,253.99	101,805.08	56,806.49	42,860.59	33,574.14
Substation operation					
Substation maintenance					
Distribution system, operation and maintenance	20,048.79	5,757.93	6,191.61	4,018.30	5,079.40
Line transformer maintenance	3,688.42	1,154.61	435.23	519.35	513.57
Meter maintenance	14,191.67	294.03	994.26	1,362.04	481.97
Consumers' premises expenses	4,163.27	1,404.67	1,023.93	3.30	271.27
Street lighting, operation and main- tenance	5,714.92	2,946.01	540.30	1,049.26	462.96
Promotion of business					
Billing and collecting	16,149.87	4,566.80	4,612.47	1,890.86	3,251.75
General office, salaries and expenses	8,892.82	3,011.72	4,654.01	1,523.13	2,085.19
Undistributed expenses				262.71	684.58
Truck operation and maintenance				1,106.17	1,012.07
Interest	21.84	3,450.60	504.01	493.95	1.00
Sinking fund and principal pay- ments on debentures		7,219.37	1,606.64	252.01	
Depreciation	12,200.00	5,799.00	2,835.00	4,145.00	2,545.00
Other reserves					
Total operating costs and fixed charges	233,325.59	137,409.82	80,203.95	59,486.67	49,962.90
Net surplus or deficit	7,241.82	21,244.97	10,554.42	8,233.08	9,191.39
NUMBER OF CUSTOMERS					
Domestic service	3,345	1,428	989	1,067	715
Commercial light service	448	173	95	182	151
Power service	58	27	12	25	11
Total	3,851	1,628	1,096	1,274	877

Utilities for Year Ended December 31, 1953

Port Hope 6,420	Port McNicol 901	Port Perry 1,961	Port Rowan 738	Port Stanley 1,427	Prescott 3,930	Preston 8,519
\$	\$	\$	\$	\$	\$	\$
105,875.48	10,770.48	28,777.97	6,354.09	30,793.62	56,817.23	121,068.32
44,032.26	1,955.94	13,626.22	5,998.45	11,965.45	28,047.98	43,543.31
94,095.96	41,056.31	3,963.31	786.17	11,908.12	23,946.50	167,239.44
2,823.94	462.51		552.93	1,150.38	1,714.58	3,190.55
9,676.99	1,140.00	2,189.90	1,108.00	3,742.50	4,834.16	12,632.06
	21.42					
735.30	123.12	643.10	11.51	652.20	507.99	350.94
257,239.93	55,529.78	49,200.50	14,811.15	60,212.27	115,868.44	348,024.62
180,941.24	42,177.69	26,602.34	8,180.93	39,281.52	73,386.01	222,547.79
235.42					2,530.68	2,439.62
7,113.34	1,082.14	3,781.22	498.44	6,614.77	3,245.63	11,612.81
489.50	30.38	390.61		257.94	199.22	2,586.78
3,310.80	153.55	529.16	11.90	655.84	1,298.78	4,323.03
4,011.66	36.46	294.33		90.80	814.83	738.90
1,595.44	222.24	427.25	96.25	1,508.57	1,452.22	2,326.68
6,625.21	996.89	2,777.81	593.10	3,229.14	3,864.48	6,245.00
10,435.68	875.33	2,181.92	120.57	1,580.77	5,884.80	7,404.79
2,567.39		21.77	20.12		934.20	
473.05	330.48	1,037.00	151.73	1,126.66	608.53	
411.68	90.24	6.26		3.73	346.50	11,357.05
1,300.00	300.00				1,100.00	8,400.00
8,301.00	987.00	1,874.00	889.00	3,359.00	3,386.00	17,125.00
	75.00					
227,811.41	47,357.40	39,923.67	10,562.04	57,708.74	99,051.88	297,107.45
29,428.52	8,172.38	9,276.83	4,249.11	2,503.53	16,816.56	50,917.17
2,082	392	576	277	1,011	1,029	2,157
275	32	115	78	118	193	257
48	2	11	5	17	30	72
2,405	426	702	360	1,146	1,252	2,486

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Priceville	Princeton	Queenston	Renfrew
Population.....	151	360	401	7,904
EARNINGS	\$	\$	\$	\$
Domestic service.....	1,872.03	5,474.34	7,633.77	82,104.72
Commercial light service.....	1,005.17	1,597.13	4,849.98	34,315.48
Commercial power service.....		1,635.93		90,846.67
Municipal power.....				5,670.02
Street lighting.....	267.00	612.00	1,088.00	7,176.34
Merchandise.....				
Miscellaneous.....	7.34	216.72	199.50	4,201.95
Total earnings.....	3,151.54	9,536.12	13,771.25	224,315.18
EXPENSES				
Power purchased.....	1,029.55	6,870.00	8,743.56	79,389.15
Substation operation.....				*34,265.21
Substation maintenance.....				*7,187.34
Distribution system, operation and maintenance.....	117.35	197.53	1,181.60	8,670.13
Line transformer maintenance.....		14.00	119.95	1,942.96
Meter maintenance.....	11.70	1.95	20.54	3,611.15
Consumers' premises expenses.....			406.71	356.86
Street lighting, operation and maintenance.....	46.33	77.26	119.24	1,620.38
Promotion of business.....				
Billing and collecting.....	180.00	549.18	401.76	7,056.82
General office, salaries and expenses.....	123.85	112.90	456.09	19,254.21
Undistributed expenses.....				2,949.76
Truck operation and maintenance.....				2,777.35
Interest.....	202.49		6.97	9,787.55
Sinking fund and principal payments on debentures.....	225.00			9,250.99
Depreciation.....	386.00	524.00	649.65	19,754.00
Other reserves.....				
Total operating costs and fixed charges.....	2,322.27	8,346.82	12,106.07	207,873.86
Net surplus or deficit.....	829.27	1,189.30	1,665.18	16,441.32
NUMBER OF CUSTOMERS				
Domestic service.....	55	121	122	2,032
Commercial light service.....	12	30	18	277
Power service.....		4		67
Total.....	67	155	140	2,376

*Generation expense

Utilities for Year Ended December 31, 1953

Richmond 634	Richmond Hill 3,310	Ridgetown 2,342	Ripley 465	Riverside 10,840	Rockwood 707	Rodney 974
\$	\$	\$	\$	\$	\$	\$
8,684.34	58,138.80	21,483.97	7,359.85	176,818.11	11,810.99	8,432.53
3,598.76	19,921.22	21,179.13	4,188.38	25,513.84	4,319.84	5,252.17
2,118.79	5,766.00	11,477.77	1,889.36	19,610.86	73.84	5,303.72
.....	2,485.96	2,184.95	623.33	6,072.06	.....	.....
607.50	2,439.16	5,226.00	1,003.21	8,925.38	1,187.35	1,638.00
.....
11.49	72.18	506.72	44.81	1,780.15	197.80	312.00
15,020.88	88,823.32	62,058.54	15,108.94	238,720.40	17,589.82	20,938.42
7,225.67	68,021.34	34,773.59	7,186.41	148,875.50	12,176.16	14,251.45
.....	.....	.....	.....	31.86	.....	.....
616.27	1,462.36	3,815.95	436.56	7,136.54	209.98	686.17
120.16	486.47	8.04	.....	755.34	92.11	15.75
214.50	38.70	1,597.91	226.49	735.29	192.48	160.01
.....	159.67	19.04	.....	10,005.62	.....	.....
109.92	467.20	2,690.51	180.88	2,748.74	169.65	317.74
.....	.....	1.00	.....	.....	.....	.....
337.66	4,278.15	3,501.10	627.20	5,315.72	780.32	1,300.08
153.15	758.94	3,764.88	165.40	7,742.00	770.09	299.94
.....	.....	.....	.....	.....	6.66	57.88
56.82	2,521.67	195.65	.....	2,463.97	.....	.....
.....	.....	56.10	5.69	1,860.21	.....	93.17
.....	667.11	.....	.....	3,826.85	.....	.....
670.00	3,551.00	2,794.00	720.00	9,996.00	590.00	1,259.00
.....	110.00	.....	.....	384.62	.....	.....
9,504.15	82,522.61	53,217.77	9,548.63	201,878.26	14,987.45	18,441.19
5,516.73	6,300.71	8,840.77	5,560.31	36,842.14	2,602.37	2,497.23
185	1,075	757	153	3,303	228	327
21	134	175	53	140	43	75
2	29	28	3	19	2	9
208	1,238	960	209	3,462	273	411

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Rosseau	Russell	St. Catharines	St. Clair Beach
Population.....	232	503	39,399	612
EARNINGS	\$	\$	\$	\$
Domestic service.....	2,888.47	6,820.85	513,766.97	10,558.30
Commercial light service.....	2,231.63	3,314.84	292,781.12	3,390.41
Commercial power service.....		419.90	807,220.75	989.89
Municipal power.....				
Street lighting.....	940.02	912.00	58,205.11	605.21
Merchandise.....	46.46	40.66	4,542.71	385.17
Miscellaneous.....				
Total earnings.....	6,106.58	11,508.25	1,676,516.66	15,928.98
EXPENSES				
Power purchased.....	2,020.63	4,426.94	1,272,730.55	9,753.92
Substation operation.....			22,859.29	
Substation maintenance.....				
Distribution system, operation and maintenance.....	607.80	204.80	65,296.84	850.73
Line transformer maintenance.....	38.37		6,626.61	128.10
Meter maintenance.....	37.15	109.50	31,556.17	123.42
Consumers' premises expenses.....			9,109.76	200.41
Street lighting, operation and main- tenance.....	145.91	174.44	9,476.12	84.10
Promotion of business.....			654.73	
Billing and collecting.....	294.00	549.47	48,385.49	671.76
General office, salaries and expenses.	188.16	412.15	20,104.53	789.59
Undistributed expenses.....				
Truck operation and maintenance.....				
Interest.....	32.08		1,278.18	34.96
Sinking fund and principal payments on debentures.....	1,069.25			
Depreciation.....	512.00	603.00	55,055.00	1,045.00
Other reserves.....				
Total operating costs and fixed charges.....	4,945.35	6,480.30	1,543,133.27	13,681.99
Net surplus or deficit.....	1,161.23	5,027.95	133,383.39	2,246.99
NUMBER OF CUSTOMERS				
Domestic service.....	90	159	11,131	201
Commercial light service.....	19	33	1,457	17
Power service.....		2	286	3
Total.....	109	194	12,874	221

Utilities for Year Ended December 31, 1953

St. George 647	St. Jacobs 725	St. Mary's 4,167	St. Thomas 18,966	Sarnia 37,670	Scarborough Twp. 78,803
\$	\$	\$	\$	\$	\$
6,346.13	9,784.98	73,581.61	272,022.73	525,544.59	1,040,051.10
4,292.42	4,266.31	26,096.26	129,240.39	225,007.92	248,040.05
4,510.22	5,496.34	41,196.45	177,547.54	598,836.37	661,337.74
.....	.....	1,906.23	6,985.36	12,842.11	60,902.12
990.00	506.00	9,091.00	22,370.55	32,054.79	57,743.28
.....	.....	.....	.....	22,250.53	.....
245.14	385.47	1,446.92	5,619.45	10,659.66	7,371.18
16,383.91	20,439.10	153,318.47	613,786.02	1,427,195.97	2,075,445.47
11,853.23	16,582.49	82,639.36	372,149.28	877,209.02	1,284,522.07
.....	.....	3,536.09	28,076.40	36,040.01	.....
.....	.....	330.49	2,370.79	2,854.49	9,580.63
170.58	647.51	4,234.25	28,260.12	42,586.95	68,535.05
9.43	233.05	704.72	2,150.66	6,122.94	11,924.80
167.15	2.00	1,868.41	8,348.34	20,686.10	2,202.47
.....	.....	5,277.99	21,318.53	49,806.55	18,313.96
122.86	116.34	2,178.31	2,806.25	12,032.77	13,126.13
.....	.....	.....	909.62	2,430.07	.....
940.34	981.89	3,807.36	22,515.45	42,702.06	51,594.06
168.65	139.27	5,459.88	23,528.49	50,948.23	50,695.63
24.26	.....	1,965.14	.....	14,197.82	.....
.....	.....	.....	.....	15,933.19	.....
.....	13.58	2,340.24	470.30	22,218.54	95,841.51
.....	.....	3,626.66	.....	14,001.59	67,500.00
698.00	866.00	9,079.00	30,602.00	58,305.00	77,038.00
.....	.....	.....	.....	1,000.00	1,173.47
14,154.50	19,582.13	127,047.90	543,506.23	1,269,075.33	1,752,047.78
2,229.41	856.97	26,270.57	70,279.79	158,120.64	323,397.69
200	176	1,255	5,671	10,554	20,872
47	38	198	715	1,111	1,330
5	8	45	107	121	230
252	222	1,498	6,493	11,786	22,432

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Seaforth	Shelburne	Simcoe	Smith's Falls
Population	2,121	1,225	7,348	8,378
EARNINGS	\$	\$	\$	\$
Domestic service	30,440.84	17,337.57	69,254.42	110,482.88
Commercial light service	20,628.19	10,936.38	68,946.19	55,685.46
Commercial power service	13,888.79	5,007.31	70,561.35	45,951.42
Municipal power	853.44	555.69	3,402.60	
Street lighting	4,926.00	1,881.00	19,111.16	9,732.62
Merchandise			177.73	
Miscellaneous	583.83	69.60	698.72	2,045.48
Total earnings	71,321.09	35,787.55	232,152.17	223,897.86
EXPENSES				
Power purchased	42,274.58	24,169.34	149,080.67	134,684.28
Substation operation	701.82		980.23	404.09
Substation maintenance				3,854.90
Distribution system, operation and maintenance	2,223.38	1,580.16	12,215.39	14,251.81
Line transformer maintenance	509.42		1,679.04	545.34
Meter maintenance	713.40	631.12	4,353.32	1,247.33
Consumers' premises expenses	30.27		3,674.09	674.57
Street lighting, operation and maintenance	1,008.05	514.60	2,067.93	1,213.18
Promotion of business	56.49		119.19	
Billing and collecting	2,047.15	1,433.88	5,398.26	8,961.35
General office, salaries and expenses	1,850.84	715.22	5,357.73	6,504.90
Undistributed expenses	906.66		1,662.44	
Truck operation and maintenance	766.84		2,249.47	1,991.43
Interest	1,682.21	12.78	44.53	290.47
Sinking fund and principal payments on debentures	2,131.04			760.00
Depreciation	3,370.00	2,372.00	11,482.00	13,045.00
Other reserves				
Total operating costs and fixed charges	60,272.15	31,429.10	200,364.29	188,428.65
Net surplus or deficit	11,048.94	4,358.45	31,787.88	35,469.21
NUMBER OF CUSTOMERS				
Domestic service	643	409	2,186	2,622
Commercial light service	120	100	496	375
Power service	21	13	76	50
Total	784	522	2,758	3,047

Utilities for Year Ended December 31, 1953

Smithville	Southampton	Springfield	Stamford Twp.	Stayner	Stirling
725	1,754	505	22,868	1,272	1,175
\$	\$	\$	\$	\$	\$
7,980.59	25,145.70	5,086.67	324,688.10	17,699.89	19,000.28
5,715.86	11,850.42	1,826.76	81,712.05	9,009.75	9,606.78
11,139.92	13,789.78	925.83	54,975.78	4,493.89	3,504.94
378.13	1,085.28	.....	3,417.21	97.32	374.96
1,736.15	4,309.85	831.25	17,212.50	1,738.00	3,057.87
.....	33.26	.....	.....	2.57	783.86
382.74	15.36	70.73	536.31	122.79	120.24
27,333.39	56,229.65	8,741.24	482,541.95	33,164.21	36,448.93
18,341.77	34,768.10	5,519.85	258,158.66	22,426.10	18,620.27
.....	.....	.....	2,687.15	.....	627.09
2,877.47	5,028.09	163.32	45,076.22	1,092.53	3,697.96
303.58	207.09	3.91	4,495.45	75.14	.....
1,006.45	856.83	33.37	8,404.16	150.38	563.66
304.67	249.19	8.43	.....	.....	12.35
421.86	724.02	142.52	6,680.43	434.43	460.55
2,450.53	2,569.25	668.04	21,278.69	1,928.84	1,469.10
1,695.21	973.99	283.12	13,127.09	948.82	2,597.52
.....	474.11	5.00	.....	.....	205.61
.....	584.99	.....	.....	260.27	378.58
1.00	4.64	2.43	28,333.24	9.68	145.30
.....	.....	.....	17,314.32	.....	.....
991.00	2,526.00	791.00	28,480.00	1,831.00	2,492.00
.....	.....	13.86	.....	.....	.....
28,393.54	48,966.30	7,634.85	434,035.41	29,157.19	31,269.99
1,060.15	7,263.35	1,106.39	48,506.54	4,007.02	5,178.94
250	825	137	5,598	420	377
77	98	33	391	102	91
10	14	4	49	19	15
337	937	174	6,038	541	483

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Stoney Creek	Stouffville	Stratford	Strathroy
Population.....	2,563	1,893	19,390	3,785
EARNINGS	\$	\$	\$	\$
Domestic service.....	44,883.84	26,719.52	309,777.08	57,004.24
Commercial light service.....	19,438.00	13,159.60	120,977.83	27,724.17
Commercial power service.....	6,903.05	9,220.51	125,840.55	25,538.27
Municipal power.....	1,719.42		13,960.95	2,937.13
Street lighting.....	3,415.72	1,849.00	24,119.88	6,664.73
Merchandise.....			2,624.73	
Miscellaneous.....	295.14	318.40	12,677.87	353.68
Total earnings.....	76,655.17	51,267.03	609,978.89	120,222.22
EXPENSES				
Power purchased.....	44,089.53	37,254.39	403,266.15	75,933.31
Substation operation.....			15,068.58	2,241.50
Substation maintenance.....			5,386.11	
Distribution system, operation and maintenance.....	2,112.77	2,767.80	15,892.56	5,004.46
Line transformer maintenance.....	12.30	189.53	3,092.41	1,014.75
Meter maintenance.....	1,064.71	148.57	8,464.30	1,573.19
Consumers' premises expenses.....	150.62	18.55	8,943.22	2,128.92
Street lighting, operation and maintenance.....	254.42	175.63	5,605.46	1,173.59
Promotion of business.....			1,564.60	43.01
Billing and collecting.....	2,033.16	2,273.04	21,876.61	1,812.49
General office, salaries and expenses.....	41.00	887.94	21,030.20	6,769.76
Undistributed expenses.....			8,327.08	2,581.71
Truck operation and maintenance.....				2,448.00
Interest.....	3,305.78		2,819.36	137.41
Sinking fund and principal payments on debentures.....	1,623.11		900.00	
Depreciation.....	2,931.00	1,710.00	25,191.00	7,331.00
Other reserves.....				
Total operating costs and fixed charges.....	57,618.40	45,425.45	547,427.64	110,193.10
Net surplus or deficit.....	19,036.77	5,841.58	62,551.25	10,029.12
NUMBER OF CUSTOMERS				
Domestic service.....	812	606	5,432	1,237
Commercial light service.....	121	112	697	243
Power service.....	15	10	151	45
Total.....	948	728	6,280	1,525

Utilities for Year Ended December 31, 1953

Streetsville 1,409	Sunderland 563	Sundridge 676	Sutton 1,041	Swansea 8,344	Tara 476
\$	\$	\$	\$	\$	\$
25,090.89	7,799.27	8,526.17	19,623.09	155,469.75	6,977.30
8,175.45	4,123.73	7,960.86	15,148.54	40,631.79	3,821.43
26,264.13	3,162.87	608.65	3,986.48	44,200.73	1,641.40
516.61				3,287.33	176.19
2,761.00	1,212.44	1,080.00	2,384.41	9,792.69	1,232.00
		41.70			
51.13	5.10	2.18	224.30	1,122.06	6.08
62,859.21	16,303.41	18,219.56	41,366.82	254,504.35	13,854.40
42,371.54	9,153.47	6,156.49	28,176.12	146,631.24	9,274.83
*2,602.19				1,137.07	
1,563.95	894.97	279.76	1,387.11	6,401.25	113.42
691.03	211.93	39.48	116.05	1,551.93	
190.18	95.35	406.14	9.56	543.57	68.85
			56.31	9,345.42	
397.18	232.85	142.56	665.81	1,515.06	131.13
2,131.02	814.66	708.75	3,175.58	10,293.44	443.03
1,666.65	522.29	268.70	1,009.22	5,800.44	76.22
					16.30
67.60		2,153.00		6,959.41	
		1,058.49		11,675.38	
2,007.00	659.00	784.00	2,346.00	10,700.00	826.00
53,688.34	12,584.52	11,997.37	36,941.76	212,554.21	10,949.78
9,170.87	3,718.89	6,222.19	4,425.06	41,950.14	2,904.62
403	191	199	638	2,546	185
68	45	56	134	153	52
18	3	2	9	31	6
489	239	257	781	2,730	243

*Generation expense

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Tavistock	Tecumseh	Teeswater	Thamesford
Population.....	1,124	3,733	858	568
EARNINGS	\$	\$	\$	\$
Domestic service.....	19,540.94	37,971.69	9,869.58	12,623.76
Commercial light service.....	9,288.27	13,644.41	5,076.45	5,679.78
Commercial power service.....	11,770.11	10,306.28	6,376.28	3,609.88
Municipal power.....	567.87		403.92	
Street lighting.....	1,691.39	1,995.88	1,497.75	776.00
Merchandise.....	24.53			
Miscellaneous.....	396.30	1,185.60	435.57	
Total earnings.....	43,279.41	65,103.86	23,659.55	22,689.42
EXPENSES				
Power purchased.....	32,967.87	42,296.32	14,371.77	16,764.21
Substation operation.....				
Substation maintenance.....				
Distribution system, operation and maintenance.....	919.83	4,348.85	971.84	205.20
Line transformer maintenance.....	551.67	979.65	9.50	151.69
Meter maintenance.....	107.64	396.94	155.25	27.10
Consumers' premises expenses.....	1,558.60	1,189.29		166.09
Street lighting, operation and maintenance.....	323.22	889.05	359.80	133.53
Promotion of business.....				
Billing and collecting.....	1,545.71	1,973.04	967.64	912.10
General office, salaries and expenses.....	978.47	2,798.40	564.44	237.85
Undistributed expenses.....	127.25	369.08		5.00
Truck operation and maintenance.....		687.44		
Interest.....	802.00	58.98	4.15	161.47
Sinking fund and principal payments on debentures.....	671.65			100.00
Depreciation.....	1,912.00	3,899.00	1,498.00	865.00
Other reserves.....				27.50
Total operating costs and fixed charges.....	42,465.91	59,886.04	18,902.39	19,756.74
Net surplus or deficit.....	813.50	5,217.82	4,757.16	2,932.68
NUMBER OF CUSTOMERS				
Domestic service.....	349	1,025	268	193
Commercial light service.....	109	95	64	51
Power service.....	10	9	11	5
Total.....	468	1,129	343	249

Utilities for Year Ended December 31, 1953

Thamesville 1,011	Thedford 654	Thornbury 1,055	Thorndale 315	Thornton 196	Thorold 7,128
\$	\$	\$	\$	\$	\$
11,716.17	8,003.87	15,471.53	5,998.46	2,754.70	76,419.49
10,530.02	5,770.80	8,225.64	1,817.80	903.29	33,326.21
11,929.32	3,001.77	5,809.38	2,635.75	105.14	205,247.54
264.82		713.97			9,063.78
1,824.00	1,290.00	2,141.00	735.00	390.00	8,700.24
		7.09			5.93
103.25	320.10	60.87	53.12	2.24	20.49
36,367.58	18,386.54	32,429.48	11,240.13	4,155.37	332,783.68
24,468.63	11,953.37	12,269.78	7,605.70	2,334.29	250,751.20
		*5,353.03			9,995.20
		*343.60			
1,737.94	257.23	1,492.61	888.61	325.19	10,308.92
264.42	123.32	612.76	20.14		850.65
88.00	6.25	374.88	2.96	118.92	5,245.68
17.50	21.00				178.11
254.99	306.38	621.08	222.16	60.71	2,126.66
945.61	1,046.74	1,284.88	595.72	120.30	4,868.16
487.61	452.29	833.30	83.88	45.03	5,851.24
75.43	37.77	282.35			
606.07					
8.97		1,769.75			2,699.91
		1,198.73			1,912.57
1,647.00	870.00	1,502.00	574.00	370.00	8,491.00
30,602.17	15,074.35	27,938.75	9,993.17	3,374.44	303,279.30
5,765.41	3,312.19	4,490.73	1,246.96	780.93	29,504.38
310	212	369	98	78	1,894
100	66	87	25	13	232
14	5	16	3	1	38
424	283	472	126	92	2,164

*Generation expense

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Tilbury	Tillsonburg	Toronto	Toronto Twp.
Population	3,081	5,534	681,421†	35,199
EARNINGS	\$	\$	\$	\$
Domestic service	24,639.17	67,801.73	8,884,740.23	593,592.05
Commercial light service	20,427.60	60,126.32	6,700,580.07	115,090.77
Commercial power service	35,462.31	48,468.67	8,791,561.74	187,980.19
Municipal power	278.63	2,771.35	2,479,933.50	13,339.00
Street lighting	5,830.67	12,655.88	741,563.66	29,944.91
Merchandise				
Miscellaneous	1,132.66	3,032.62	448,468.68	4,297.80
Total earnings	87,771.04	194,856.57	28,046,847.88	944,244.72
EXPENSES				
Power purchased	70,544.09	97,528.33	17,047,224.81	509,020.00
Substation operation		2,797.17	517,427.33	
Substation maintenance			668,307.97	1,883.92
Distribution system, operation and maintenance	3,384.50	12,502.59	1,079,620.91	46,946.32
Line transformer maintenance	110.58	1,361.59	163,907.34	12,142.20
Meter maintenance	739.25	1,971.45	235,855.07	6,929.91
Consumers' premises expenses		549.67	636,608.14	14,074.21
Street lighting, operation and main- tenance	1,479.34	2,463.84	239,784.81	7,375.32
Promotion of business	4.75	365.12	286,180.31	
Billing and collecting	2,018.89	5,671.46	822,036.50	40,360.44
General office, salaries and expenses	1,877.41	6,845.74	894,436.28	32,364.05
Undistributed expenses	475.72	2,276.68	890,081.03	
Truck operation and maintenance	1,255.53	1,731.78		
Interest	27.26	5,225.64	110,093.34	78,518.14
Sinking fund and principal payments on debentures		7,087.66		23,019.55
Depreciation	2,361.00	9,260.00	2,132,145.87	44,676.00
Other reserves		100.00		2,263.00
Total operating costs and fixed charges	84,278.32	157,738.72	25,723,709.71	819,573.06
Net surplus or deficit	3,492.72	37,117.85	2,323,138.17	124,671.66
NUMBER OF CUSTOMERS				
Domestic service	865	1,709	158,374	8,658
Commercial light service	170	350	27,909	585
Power service	25	51	6,503	117
Total	1,060	2,110	192,786	9,360

†Includes Leaseide

Utilities for Year Ended December 31, 1953

Tottenham 622	Trafalgar Twp. 8,746	Trenton 10,200	Tweed 1,561	Uxbridge 1,971	Vankleek Hill 1,480
\$	\$	\$	\$	\$	\$
8,166.25	142,245.75	114,963.27	18,854.81	26,638.34	8,692.90
3,686.82	24,565.32	45,529.42	11,869.33	11,207.48	4,228.69
1,429.32	23,768.25	137,189.75	11,997.75	10,918.47	984.47
471.25		9,748.65	1,003.57	723.94	
1,365.00	350.00	15,272.51	2,216.08	2,413.06	975.89
				102.30	
4.81	282.48	3,257.68	1,020.08	311.14	30.00
15,123.45	191,211.80	325,961.28	46,961.62	52,314.73	14,911.95
8,844.49	101,388.29	230,255.20	28,092.98	33,101.01	5,708.46
		513.02			
1,554.01	11,715.46	8,350.04	1,295.17	2,886.56	435.59
	3,352.21	747.94		197.78	11.32
233.58	2,214.69	5,066.61	79.96	562.10	26.59
	605.69	1,408.94		237.51	
210.96	71.47	2,173.10	1,243.03	436.40	151.26
714.77	8,424.82	9,091.77	1,942.85	2,320.08	681.62
205.53	12,010.97	8,678.78	676.11	2,421.15	197.25
36.06		2,181.31			
125.04		2,524.39		283.40	
233.76	8,813.84				1,208.00
605.15	6,659.08				817.00
701.00	6,854.00	15,804.00	2,130.00	1,958.00	968.00
	400.00				
13,464.35	162,510.52	286,795.10	35,460.10	44,403.99	10,205.09
1,659.10	28,701.28	39,166.18	11,501.52	7,910.74	4,706.86
200	1,645	3,110	450	602	397
55	103	327	101	130	66
7	21	70	17	20	5
262	1,769	3,507	568	752	468

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Victoria Harbour 987	Walkerton 3,415	Wallaceburg 7,437	Wardsville 306
Population				
EARNINGS	\$	\$	\$	\$
Domestic service	9,109.34	42,363.30	72,854.82	3,633.16
Commercial light service	2,399.90	30,651.85	54,155.70	2,624.20
Commercial power service	24.00	16,642.68	249,804.73	61.57
Municipal power	299.73	607.90	6,271.16	
Street lighting	794.00	5,589.72	8,907.81	720.00
Merchandise		257.41	10,937.12	
Miscellaneous	53.61	2,217.74	2,386.86	99.37
Total earnings	12,680.58	98,330.60	405,318.20	7,138.30
EXPENSES				
Power purchased	9,127.32	60,568.59	296,263.62	4,945.72
Substation operation			1,557.52	
Substation maintenance				
Distribution system, operation and maintenance	910.84	5,762.85	16,713.02	236.52
Line transformer maintenance	113.04	839.46	585.41	83.61
Meter maintenance	229.49	1,093.69	5,004.40	8.15
Consumers' premises expenses		124.51		
Street lighting, operation and main- tenance	192.44	688.15	2,566.39	8.59
Promotion of business		100.57	304.40	
Billing and collecting	890.14	3,812.26	6,126.92	269.01
General office, salaries and expenses	492.35	5,180.31	12,794.72	162.70
Undistributed expenses		1,248.29		9.60
Truck operation and maintenance		797.27	4,540.96	
Interest		1.03	30.85	
Sinking fund and principal payments on debentures				
Depreciation	889.00	3,669.00	15,934.00	482.00
Other reserves				
Total operating costs and fixed charges	12,844.62	83,885.98	362,422.21	6,205.90
Net surplus or deficit	164.04	14,444.62	42,895.99	932.40
NUMBER OF CUSTOMERS				
Domestic service	351	998	2,248	97
Commercial light service	35	188	388	25
Power service	2	20	75	1
Total	388	1,206	2,711	123

Utilities for Year Ended December 31, 1953

Warkworth 504	Waterdown 1,556	Waterford 1,755	Waterloo 13,062	Watford 1,200	Waubauskene (V.A.)
\$	\$	\$	\$	\$	\$
6,331.50	25,885.00	20,051.73	202,086.95	17,893.91	8,581.74
2,861.86	6,467.90	8,617.84	77,919.60	10,451.67	2,737.34
917.14	2,691.52	7,012.99	175,882.35	10,395.04	56.39
.....	316.58	514.00	7,371.83	533.27	240.27
804.00	1,713.50	3,122.56	23,892.48	1,911.56	916.00
.....	.....	0.19	88.72	.....	.....
121.77	337.47	346.57	3,559.49	487.86	73.05
11,036.27	37,411.97	39,665.88	490,801.42	41,673.31	12,604.79
5,996.86	23,332.20	28,324.27	359,639.49	28,568.50	8,648.29
.....	.....	.....	3,780.20	.....	.....
.....	.....	.....	6,282.36	.....	.....
218.97	3,710.78	2,387.63	12,618.52	2,616.96	970.53
28.60	232.68	161.35	1,011.51	727.78	84.63
297.48	197.64	663.46	2,739.95	372.47	177.02
.....	5.09	24.30	.....	12.73	.....
103.25	208.19	536.36	2,790.10	298.88	157.36
398.65	1,346.47	1,172.92	9,436.10	1,124.22	648.20
190.61	503.28	854.46	4,918.24	2,322.16	208.27
3.40	122.44	134.54	770.82	463.82	.....
.....	410.97	732.75	.....	211.13	.....
87.91	327.24	1.00	12,218.89	.....	11.97
711.23	.....	.....	15,000.00	.....	.....
366.00	1,936.00	1,942.00	23,842.00	1,888.00	678.00
.....	.....	.....	.....	.....	50.00
8,402.96	32,332.98	36,935.04	455,048.18	38,606.65	11,634.27
2,633.31	5,078.99	2,730.84	35,753.24	3,066.66	970.52
173	422	565	3,631	383	328
50	58	89	364	91	37
2	13	10	96	11	2
225	493	664	4,091	485	367

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Welland	Wellesley	Wellington	West Lorne
Population.....	16,435	644	1,011	1,050
EARNINGS	\$	\$	\$	\$
Domestic service.....	139,968.92	8,354.19	11,466.89	10,433.27
Commercial light service.....	114,265.82	3,904.68	5,503.43	9,429.81
Commercial power service.....	339,149.09	2,223.87	5,394.85	19,695.63
Municipal power.....	7,777.37			2,461.61
Street lighting.....	23,895.75	977.00	1,785.75	1,776.51
Merchandise.....				
Miscellaneous.....	10,348.45	197.00	737.18	3,115.00
Total earnings.....	635,405.40	15,656.74	24,888.10	46,911.83
EXPENSES				
Power purchased.....	447,841.94	11,455.94	14,335.56	39,552.89
Substation operation.....	22,652.01			
Substation maintenance.....	1,057.00			
Distribution system, operation and maintenance.....	26,653.81	333.57	1,265.16	867.58
Line transformer maintenance.....	3,097.59	9.56	13.85	29.58
Meter maintenance.....	20,208.08	43.10	313.10	240.88
Consumers' premises expenses.....	1,993.74	675.39	85.00	
Street lighting, operation and maintenance.....	4,590.94	256.43	143.75	307.81
Promotion of business.....				15.35
Billing and collecting.....	16,849.44	508.09	931.96	1,345.85
General office, salaries and expenses.....	16,441.44	371.10	1,096.71	1,278.45
Undistributed expenses.....		1.77	92.97	
Truck operation and maintenance.....			663.30	
Interest.....	69.85		19.43	23.70
Sinking fund and principal payments on debentures.....				
Depreciation.....	18,170.00	762.00	1,721.00	2,120.00
Other reserves.....				
Total operating costs and fixed charges.....	579,625.84	14,416.95	20,681.79	45,782.09
Net surplus or deficit.....*	55,779.56	1,239.79	4,206.31	1,129.74
NUMBER OF CUSTOMERS				
Domestic service.....	4,005	190	405	310
Commercial light service.....	614	56	75	81
Power service.....	118	7	13	12
Total.....	4,737	253	493	403

Utilities for Year Ended December 31, 1953

Weston	Westport	Wheatley	Whitby	Warton	Williams- burg	Winchester
8,374	684	1,055	6,231	1,883	288	1,232
\$	\$	\$	\$	\$	\$	\$
145,132.16	7,618.36	10,585.97	91,025.64	19,332.95	2,864.31	14,187.51
67,389.95	6,557.50	11,751.08	32,191.57	16,790.75	2,754.51	9,546.53
134,833.78		8,313.95	35,412.67	12,691.90	866.58	7,694.43
6,046.96		1,313.34	3,871.55	2,265.59		
15,172.17	1,140.08	2,368.00	7,595.50	3,459.53	665.00	1,456.00
			494.45	30.00		
383.26	243.98	22.89	1,221.50	602.68	544.19	223.98
368,958.28	15,559.92	34,355.23	171,812.88	55,173.40	7,694.59	33,108.45
249,492.32	6,990.98	23,816.06	97,408.97	29,885.48	5,744.06	23,349.69
3,412.55			1,349.70			
4,488.09	1,175.30	1,596.43	5,229.47	5,365.15	74.58	812.57
1,282.25	255.72	137.80	1,484.90	147.55	2.17	
4,019.02	438.04	197.45	3,008.54	363.82	53.65	250.24
1,695.90		128.33	2,096.10			
3,756.43	63.26	247.87	2,287.13	390.34	72.90	223.14
9,794.10	1,218.01	1,098.47	8,515.34	1,474.77	374.30	965.89
16,984.44	1,026.83	1,326.46	14,915.18	1,383.58	422.00	930.17
	64.64	299.42	1,320.00	428.92		
		323.32	1,004.64	999.34		
6,089.59						
6,100.00		486.15				
15,322.00	614.00	1,927.00	10,062.00	2,035.00	448.00	1,596.00
531.00						
322,967.69	11,846.78	31,584.76	148,681.97	42,473.95	7,191.66	28,127.70
45,990.59	3,713.14	2,770.47	23,130.91	12,699.45	502.93	4,980.75
2,363	204	323	1,626	570	97	384
308	61	91	223	129	39	89
60		15	44	23	2	6
2,731	265	429	1,893	722	138	479

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Concluded

Municipality.....	Windsor	Windsor	Wingham	Woodbridge
Population.....	129	125,966	2,713	1,909
EARNINGS	\$	\$	\$	\$
Domestic service.....	4,174.39	1,568,121.74	39,797.35	27,059.55
Commercial light service.....	3,220.31	1,019,957.46	23,073.29	12,171.12
Commercial power service.....	1,177.66	1,870,455.82	24,471.66	36,277.02
Municipal power.....		60,143.77	1,953.78	4,394.88
Street lighting.....	357.00	193,453.60	4,036.56	1,823.48
Merchandise.....	10.00	30,343.70	185.62	
Miscellaneous.....	51.64	39,724.69	2,883.30	221.99
Total earnings.....	8,991.00	4,782,200.78	96,401.56	81,948.04
EXPENSES				
Power purchased.....	3,546.95	2,837,240.95	47,918.03	68,593.35
Substation operation.....		109,420.76	*2,469.40	
Substation maintenance.....		34,546.95		
Distribution system, operation and maintenance.....	428.68	111,169.67	4,151.36	848.38
Line transformer maintenance.....	51.66	38,119.76	280.15	107.06
Meter maintenance.....	49.00	16,701.91	724.31	28.50
Consumers' premises expenses.....	37.05	79,637.64	4,342.62	
Street lighting, operation and maintenance.....	75.38	73,695.66	770.77	469.66
Promotion of business.....		9,921.86		
Billing and collecting.....	293.96	131,440.46	3,610.05	3,371.33
General office, salaries and expenses.....	196.76	94,872.02	5,485.91	1,325.47
Undistributed expenses.....		54,424.64	644.54	
Truck operation and maintenance.....		28,210.63	442.69	
Interest.....		10,430.00		153.33
Sinking fund and principal payments on debentures.....				
Depreciation.....	711.00	232,423.00	5,729.00	2,210.00
Other reserves.....				
Total operating costs and fixed charges.....	5,390.44	3,862,255.91	76,568.83	77,107.08
Net surplus or deficit.....	3,600.56	919,944.87	19,832.73	4,840.96
NUMBER OF CUSTOMERS				
Domestic service.....	93	30,954	775	509
Commercial light service.....	14	4,076	167	84
Power service.....	2	653	29	16
Total.....	109	35,683	971	609

*Generation expense

Utilities for Year Ended December 31, 1953

Woodstock	Woodville	Wyoming	York Twp.	Zurich	TOTAL SOUTHERN ONTARIO SYSTEM
16,375	420	784	100,463	607	
\$	\$	\$	\$	\$	\$
253,043.06	4,778.71	6,683.02	1,367,109.70	9,474.88	41,058,912.89
138,101.59	2,160.96	4,112.24	375,536.58	5,916.97	21,610,450.82
245,243.94	776.05	5,788.60	471,730.30	730.54	33,135,721.56
10,461.54			10,283.16		3,724,686.33
16,021.67	816.00	1,052.00	78,640.95	978.00	3,487,442.55
					106,316.08
3,138.63	184.28	90.49	6,201.28	171.15	1,120,352.74
666,010.43	8,716.00	17,726.35	2,309,501.97	17,271.54	104,243,882.97
431,007.80	5,665.71	10,591.70	1,453,586.27	11,898.69	66,590,437.21
6,372.44			8,334.22		1,840,706.75
*10,814.49			7,036.58		949,162.97
19,884.58	896.81	582.64	40,604.69	579.69	3,472,115.16
912.97	32.50	123.23	20,979.43	857.61	601,041.43
10,931.22	219.39	23.85	20,224.57	85.42	1,027,393.98
15,555.48		21.00	34,963.79	38.84	1,486,273.20
2,625.36	163.94	184.45	13,590.31	228.57	849,241.23
189.67					369,486.90
14,035.59	526.49	719.74	116,125.68	891.13	3,156,174.03
14,307.78	413.31	230.10	91,100.23	540.75	3,049,753.76
7,356.57		14.64		17.10	1,289,631.33
3,967.86	37.12				196,115.42
9,083.09	4.85	2.25		119.04	1,165,417.79
20,737.48					1,052,295.69
31,158.00	363.00	993.00	70,017.00	682.00	5,599,678.65
		60.00	5,562.89		142,582.99
598,940.38	8,323.12	13,546.60	1,882,125.66	15,938.84	92,837,508.49
67,070.05	392.88	4,179.75	427,376.31	1,332.70	11,406,374.48
4,844	137	232	29,006	212	806,900
645	35	47	2,088	54	108,671
130	2	5	347	2	19,615
5,619	174	284	31,441	268	935,186

*Includes \$8,152.40 generation expense

Operating Reports of Municipal Electrical

NORTHERN ONTARIO PROPERTIES

Municipality	Cache Bay	Capreol	Cochrane	Fort William
Population	790	2,171	3,525	36,795
EARNINGS	\$	\$	\$	\$
Domestic service	6,975.90	34,791.07	50,501.79	514,965.95
Commercial light service	2,230.88	9,213.73	33,468.19	235,894.88
Commercial power service	22,854.40	10,292.41	11,426.73	460,384.87
Municipal power		674.34	1,853.70	18,966.68
Street lighting	837.00	3,404.64	2,714.47	37,974.75
Merchandise		123.00		
Miscellaneous			36.50	21,343.18
Total earnings	32,898.18	58,499.19	100,001.38	1,289,530.31
EXPENSES				
Power purchased	22,410.35	39,069.22	47,918.68	875,555.57
Substation operation		390.78	6,302.66	40,769.86
Substation maintenance				5,163.76
Distribution system, operation and maintenance	47.54	3,009.88	6,654.38	30,724.97
Line transformer maintenance	46.00	227.13	158.15	5,261.32
Meter maintenance	81.75	1,111.11	2,207.44	20,855.22
Consumers' premises expenses			1,388.16	18,680.99
Street lighting, operation and maintenance	92.51	673.13	2,035.39	9,471.04
Promotion of business				289.66
Billing and collecting	668.71	2,684.80	6,199.30	46,551.27
General office, salaries and expenses	394.46	2,165.56	8,579.67	26,677.87
Undistributed expenses	8.08	241.36	2,752.94	
Truck operation and maintenance		398.15	1,303.33	
Interest	1,258.78	2,303.75	1,905.23	26,780.00
Sinking fund and principal payments on debentures	2,000.00	1,600.00	5,250.00	22,254.84
Depreciation	939.00	2,369.00	5,069.00	53,779.00
Other reserves				
Total operating costs and fixed charges	27,947.18	56,243.87	97,724.33	1,182,815.37
Net surplus or deficit	4,951.00	2,255.32	2,277.05	106,714.94
NUMBER OF CUSTOMERS				
Domestic service	181	612	887	10,163
Commercial light service	23	79	190	1,361
Power service	3	2	27	204
Total	207	693	1,104	11,728

Utilities for Year Ended December 31, 1953

Hearst 1,954	*Kapuskasing 5,187	Larder Lake Twp. 1,827	Latchford 543	McGarry 2,233	Nipigon Twp. 2,166
\$	\$	\$	\$	\$	\$
30,743.64	30,906.01	23,534.23	4,027.35	25,345.11	19,463.62
39,687.22	26,587.81	7,466.51	3,906.16	8,866.37	18,511.89
3,263.79	2,567.60	157.95	940.90	1,350.64	1,281.13
917.59		1,119.96			479.26
1,112.00	2,067.13	2,337.99	555.00	1,625.16	2,203.00
	187.15				412.33
75,724.24	62,315.70	34,676.64	9,429.41	37,187.28	42,351.23
26,990.00	35,137.04	21,310.17	3,557.72	26,312.07	20,465.52
2,152.92	44.95				
3,468.78	6,118.36	2,885.46	129.69	407.62	2,974.60
331.96	260.00	56.40		47.40	475.23
652.40	2,140.66	601.39	56.28	609.57	1,017.38
21.35					
254.12	911.38	561.51	116.71	887.79	764.09
3,698.67	2,581.14	1,962.16	308.72	1,995.59	1,940.37
2,167.19	2,223.89	2,351.23	291.75	1,577.72	2,100.89
24.72	1,182.55	58.00	2.03	10.54	544.52
1,136.29	319.64				685.11
7,541.47	1,039.21	603.60	688.00	500.00	
4,600.00	1,775.07	1,000.00	800.00	500.00	
3,041.00	1,447.00	1,510.00	477.00	1,246.00	1,849.00
56,080.87	55,180.89	32,899.92	6,427.90	34,094.30	32,816.71
19,643.37	7,134.81	1,776.72	3,001.51	3,092.98	9,534.52
483	1,204	433	119	314	454
130	178	70	29	58	101
10	26	4	2	1	5
623	1,408	507	150	373	560

*5 months' operation

Operating Reports of Municipal Electrical

NORTHERN ONTARIO PROPERTIES—Concluded

Municipality	North Bay	Port Arthur	Red Rock	Schreiber Twp.
Population	19,891	34,348	1,868	1,920
EARNINGS	\$	\$	\$	\$
Domestic service	238,593.22	446,393.94	14,386.96	22,662.20
Commercial light service	132,218.91	234,344.20	9,330.41	9,864.79
Commercial power service	83,547.47	498,541.09	100.70	5,870.35
Municipal power	6,500.27	29,632.59	562.08	
Street lighting	16,450.97	39,998.01	1,003.00	3,063.00
Merchandise				
Miscellaneous		3,482.32		75.00
Total earnings	477,310.84	1,252,392.15	25,383.15	41,535.34
EXPENSES				
Power purchased	316,826.94	876,379.04	12,978.97	18,286.26
Substation operation	4,538.75	* 39,151.22		
Substation maintenance		13,879.39		
Distribution system, operation and maintenance	18,934.93	34,366.11	943.00	2,803.02
Line transformer maintenance	1,104.29	3,397.97		88.34
Meter maintenance	6,913.26	11,560.49	122.90	686.06
Consumers' premises expenses	6,209.45			
Street lighting, operation and main- tenance	4,073.18	8,759.77	279.39	871.18
Promotion of business		2,102.04		
Billing and collecting	27,182.30	40,307.92	1,163.06	2,949.34
General office, salaries and expenses ..	30,414.22	19,338.67	1,436.23	1,563.28
Undistributed expenses	6,636.23	373.55		163.16
Truck operation and maintenance		934.15		540.32
Interest	15,071.78		821.41	1,537.08
Sinking fund and principal payments on debentures			1,430.00	4,324.50
Depreciation	16,710.00	73,696.78	1,253.00	1,643.00
Other reserves		4,500.00		
Total operating costs and fixed charges	454,615.33	1,128,747.10	20,427.96	35,455.54
Net surplus or deficit	22,695.51	123,645.05	4,955.19	6,079.80
NUMBER OF CUSTOMERS				
Domestic service	4,792	9,464	243	446
Commercial light service	858	1,233	24	49
Power service	103	167	2	2
Total	5,753	10,864	269	497

*Includes \$17,504.64 generation expense

Utilities for Year Ended December 31, 1953

Sioux Lookout 2,491	Sturgeon Falls 5,347	Sudbury 46,043	Terrace Bay 1,596	TOTAL NORTHERN ONTARIO PROPERTIES	TOTAL ALL SYSTEMS
\$	\$	\$	\$	\$	\$
43,753.24	48,080.78	700,013.54	30,533.31	2,285,671.86	43,344,584.75
23,829.01	37,625.99	351,460.50	15,104.26	1,199,611.71	22,810,062.53
11,713.15	3,765.04	93,079.15	6,470.00	1,217,607.37	34,353,328.93
2,067.66	2,291.28	17,362.11	.....	82,427.52	3,807,113.85
7,367.32	6,133.65	62,657.15	2,913.00	194,477.24	3,681,919.79
330.54	.....	4,652.81	.....	123.00	106,439.08
89,060.92	97,896.74	1,229,225.26	55,020.57	30,519.83	1,150,872.57
51,225.25	49,742.03	689,960.50	26,067.13	3,160,192.46	69,750,629.67
.....	187.75	30,986.95	.....	124,525.84	1,965,232.59
.....	.....	13,661.16	.....	32,704.31	981,867.28
4,236.90	10,200.91	62,861.61	2,018.05	192,785.81	3,664,900.97
564.15	1,107.24	4,675.50	46.08	17,847.16	618,888.59
937.52	2,491.72	24,093.70	981.33	77,120.18	1,104,514.16
65.20	.....	21,016.88	.....	47,382.03	1,533,655.23
1,234.41	1,675.84	20,250.27	528.85	53,440.56	902,681.79
.....	.....	.....	.....	2,391.70	371,878.60
4,087.97	3,788.04	55,518.22	2,067.78	205,655.36	3,361,829.39
3,869.78	6,719.84	28,924.77	1,806.52	142,603.54	3,192,357.30
312.16	7,052.56	1,180.46	.....	20,542.86	1,310,174.19
1,259.47	984.17	19,097.99	126.21	26,784.83	222,900.25
.....	3,764.55	45,009.69	2,439.37	111,263.92	1,276,681.71
.....	.....	22,056.20	3,900.00	71,490.61	1,123,786.30
2,075.00	4,892.00	58,165.00	2,755.00	232,915.78	5,832,594.43
.....	.....	.....	.....	4,500.00	147,082.99
69,867.81	92,606.65	1,097,458.90	42,736.32	4,524,146.95	97,361,655.44
19,193.11	5,290.09	131,766.36	12,284.25	486,291.58	11,892,666.06
701	1,155	12,022	331	44,004	850,904
114	207	1,443	37	6,184	114,855
14	16	181	1	770	20,385
829	1,378	13,646	369	50,958	986,144

STATEMENT "C"

Statement "C" is the schedule of rates for electrical service—domestic, commercial light, and power—in the 370 municipalities served either by the municipal electrical utilities or directly by the Commission through local distribution systems. Municipalities served through the facilities of the Rural Power District are not included. The wholesale cost of the power supplied by the Commission to each municipality under cost contract is now shown in the Cost of Power Statement in Appendix II and not, as formerly, in Statement "C."

Rates to Customers

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall be subject at all times to the approval and control of the Commission." (R.S.O. 1950, c. 281, s. 104.)

In accordance with the Act and the Commission's fundamental principle of providing service at cost, the Commission exercises a continuous supervision over rates charged to customers and requires that accurate cost records be kept in each municipality. On the basis of this cost, rate schedules are designed for each of the three main classes of electrical service—residential or domestic, commercial light, and power—and the schedules in use in 1953 are given in this statement.

Customers using continuous electric water-heaters may purchase energy at a low flat rate, a fixed charge per month based on the capacity of the heating element and dependent on the cost of power to the municipal utility. The electric energy consumed by these heaters is not metered. Current for booster heaters used in water-heating equipment to supplement the capacity of the continuous heater is measured and charged for at regular rates.

Domestic Service: Domestic rates apply to electrical service for all household purposes in residences. Lighting, cooking, and the operation of all domestic electrical appliances are included.

Commercial Light Service: Electric energy is billed at commercial light rates when it is used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding houses, and in all other premises for commercial purposes. Sign and display lighting is included.

Power Service: The rate schedules for power service in Statement "C" cover retail supply to power customers of the municipal utilities and local systems. Certain large power customers served directly by the Commission are excepted from this schedule.

Power service rates, as given in the tables, are for 24-hour unrestricted power at secondary distribution voltage. Customers providing their own step-down transformation are granted on the basis of their billing demand an allowance of 27 cents per kilowatt per month gross for service at sub-transmission voltage and an allowance of 17 cents per kilowatt per month gross for service at primary distribution voltage. In municipalities where load conditions and other circumstances permit, restricted power may be available at lower rates, and discounts in addition to those listed are applicable. The service charge is based on the connected load, or on the maximum demand where a demand meter is installed.

In order to simplify billing procedure, the power demand of power service customers is billed by using the kilowatt rather than horsepower. However, the annual basis-rate continues to be shown per horsepower of demand. The figure given shows approximately the net annual amount payable for a demand of one horsepower. It represents the cost of power assuming that the demand is used for an average of 130 hours monthly including 30 hours at the third energy rate. This net amount payable is the basis of the energy rates given. At the same time, it serves as an indication of the relative cost of power service in the various municipalities listed.

Rates to Customers in
Served by The Hydro-Electric
as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Acton.....	45	60	3.1	1.3	0.83
Agincourt.....	43	60	3.1	1.1	0.83
Ailsa Craig.....	51	60	3.2	1.2	0.83
Ajax.....	39	60	4.0	1.5	0.83
Alexandria.....	58	60	3.0	1.0	1.11
Alfred.....		a20	5.0	3.0	
Alliston.....	43	55	3.5	1.0	1.11
Almonte.....	37	60	2.5	1.0	0.83
Alvinston.....	54	60	3.5	1.0	0.83
Amherstburg.....	51	60	3.5	1.2	1.11
Ancaster Twp (including Ancaster)....	43	60	4.2	1.2	1.11
Apple Hill.....	56	60	4.0	1.0	1.39
Arkona.....	51	60	4.4	1.2	1.11
Arnprior.....	42	60	2.9	1.0	0.83
Arthur.....	45	60	3.3	1.2	1.11
Athens.....	40	60	3.4	1.2	1.11
Atikokan.....	43	60	4.4	1.5	1.67
Aurora.....	42	60	2.7	1.1	0.83
Aylmer.....	45	60	2.5	1.0	0.83
Ayr.....	44	60	3.1	1.2	1.11
Baden.....	42	60	3.3	1.3	0.83
Bala.....	36	b50	3.7	1.2	1.66
Bancroft.....	53	60	4.5	1.5	1.39
Barrie.....	40	60	2.4	0.8	0.83
Barry's Bay.....	47	60	4.7	1.6	1.67
Bath.....	58	60	4.8	1.5	2.22
Beachville.....	44	60	3.2	1.2	0.83
Beamsville.....	43	60	2.7	1.2	0.83
Beardmore.....	43	60	4.4	1.5	1.67
Beaverton.....	45	60	2.8	1.2	1.39
Beeton.....	50	60	3.8	1.2	1.39
Belle River.....	45	60	4.0	1.4	1.39
Belleville.....	35	60	1.8	0.8	0.83
Blenheim.....	48	60	2.6	1.1	1.11
Bloomfield.....	54	60	2.5	0.9	0.83
Blyth.....	47	60	2.9	1.1	1.11
Bobcaygeon.....	47	60	5.0	1.25	2.22
Bolton.....	46	60	3.0	1.1	0.83
Bothwell.....	52	60	2.6	1.0	0.83
Bowmanville.....	40	60	3.0	1.0	0.83

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.3	1.1	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.7	1.0	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.7	1.0	0.83	28.00	1.35	2.5	1.6	0.33
5.0	3.5	1.3	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.6	0.8	1.11	35.00	1.35	3.5	2.3	0.33
Same as domestic				Special				
5.0	3.2	0.9	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.3	1.0	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.0	0.9	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.9	0.8	1.11	28.00	1.35	2.5	1.6	0.33
5.0	3.6	1.0	1.11	31.00	1.35	2.9	1.9	0.33
5.0	3.5	1.0	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.9	1.0	1.11	39.00	1.35	4.1	2.7	0.33
5.0	2.6	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.8	1.0	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.9	1.0	1.11	27.00	1.35	2.3	1.5	0.33
5.0	3.9	1.5	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.0	0.7	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.6	1.1	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.7	1.1	0.83	25.00	1.35	2.0	1.3	0.33
5.0	3.7	0.8	1.66	20.00	1.20	1.4	0.9	0.30
5.0	3.5	1.5	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.6	0.83	18.00	1.00	1.4	0.9	0.25
5.0	4.0	1.5	1.67	32.00	1.35	3.1	2.0	0.33
5.0	5.0	1.0	2.22	35.00	1.35	3.5	2.3	0.33
5.0	2.7	0.9	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.3	1.1	0.83	23.00	1.20	1.9	1.3	0.30
5.0	3.9	1.5	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.2	1.0	1.39	25.00	1.35	2.0	1.3	0.33
5.0	3.4	1.2	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.4	1.1	1.39	33.00	1.35	3.2	2.1	0.33
5.0	1.6	0.6	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.2	0.9	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.3	0.7	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.4	1.1	1.11	32.00	1.35	3.1	2.0	0.33
5.0	5.0	1.0	2.22	35.00	1.35	3.5	2.3	0.33
5.0	2.5	1.1	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.1	0.7	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.4	0.8	0.83	21.00	1.20	1.6	1.0	0.30

Rates to Customers in Served by The Hydro-Electric as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Bradford.....	56	45	4.2	1.0	1.39
Braeside.....	49	50	4.0	1.3	0.83
Brampton.....	45	60	2.5	1.2	0.83
Brantford.....	44	60	2.2	1.2	0.83
Brantford Twp.....	45	60	3.4	1.3	1.11
Brechin.....	45	60	4.0	1.2	1.11
Bridgeport.....	41	60	3.0	1.0	0.83
Brigden.....	53	60	3.0	0.9	1.11
Brighton.....	42	60	3.6	1.1	0.83
Brockville.....	38	60	2.0	1.0	0.83
Bronte.....	43	60	3.0	1.5	0.83
Brussels.....	49	60	3.2	1.0	1.11
Burford.....	43	60	2.9	1.1	0.83
Burgessville.....	52	60	4.0	1.0	1.11
Burks Falls.....	47	50	5.0	1.5	2.50
Burlington.....	42	60	3.8	1.4	1.11
Burlington Beach or Hamilton Beach.....	33	60	3.5	1.1	0.83
Cache Bay.....	52	60	6.0	2.0	1.67
Caledonia.....	43	60	2.4	1.2	1.11
Campbellville.....	50	60	3.0	1.3	1.11
Cannington.....	48	60	3.2	1.0	1.11
Capeol.....	43	60	3.5	1.3	1.39
Cardinal.....	40	55	2.8	1.1	1.11
Carleton Place.....	37	55	2.8	1.1	1.11
Casselman.....	42	60	5.0	2.0	1.11
Cayuga.....	46	60	3.5	1.0	1.39
Chatham.....	48	60	3.8	1.4	1.11
Chatsworth.....	46	60	3.2	1.1	1.39
Chesley.....	45	60	2.7	1.0	1.11
Chesterville.....	44	55	2.3	0.9	0.83
Chippawa.....	40	60	3.1	1.4	1.11
Clifford.....	48	60	3.8	1.5	1.11
Clinton.....	46	60	2.8	1.0	0.83
Cobalt.....	42	60	4.2	1.5	0.83
Cobden.....	31	40	2.8	1.0	1.11
Cobourg.....	44	60	2.9	1.4	0.83
Cochrane.....	42	60	3.0	1.4	0.83
Colborne.....	43	60	3.8	1.0	0.83
Coldwater.....	45	55	2.5	1.0	1.11
Collingwood.....	43	60	2.5	1.1	1.11

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Continued

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	3.7	1.0	1.39	25.00	1.35	2.0	1.3	0.33
5.0	4.0	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.0	1.1	0.83	21.00	1.20	1.6	1.0	0.30
5.0	1.8	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.9	1.0	1.11	24.00	1.20	2.1	1.4	0.30
5.0	3.5	1.0	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.7	0.9	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	0.7	1.11	30.00	1.35	2.8	1.8	0.33
5.0	3.1	1.0	0.83	23.00	1.20	1.9	1.3	0.30
5.0	1.7	0.8	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.5	1.5	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.7	0.8	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.4	1.1	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.5	0.8	1.11	31.00	1.35	2.9	1.9	0.33
5.0	4.5	1.5	2.50	30.00	1.35	2.8	1.8	0.33
5.0	3.2	1.0	1.11	29.00	1.35	2.6	1.7	0.33
5.0	3.2	0.7	0.83	27.00	1.35	2.3	1.5	0.33
5.0	6.0	2.0	1.67	38.00	1.35	4.0	2.6	0.33
5.0	1.9	1.1	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.8	1.1	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.8	0.9	1.11	26.00	1.35	2.2	1.4	0.33
5.0	3.0	1.1	1.39	31.00	1.35	2.9	1.9	0.33
5.0	2.3	1.0	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.3	0.9	1.11	20.00	1.20	1.4	0.9	0.30
5.0	4.5	2.0	1.11	35.00	1.35	3.5	2.3	0.33
5.0	3.0	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.3	1.2	1.11	25.00	1.35	2.0	1.3	0.40
5.0	2.7	1.1	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.3	1.0	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.0	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.6	1.3	1.11	23.00	1.20	1.9	1.3	0.30
5.0	3.5	1.5	1.11	33.00	1.35	3.2	2.1	0.33
5.0	2.4	1.0	0.83	28.00	1.35	2.5	1.6	0.33
5.0	3.7	1.5	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.5	1.0	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.4	1.3	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.8	1.0	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.0	1.0	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.5	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.0	1.1	1.11	21.00	1.20	1.6	1.0	0.30

Rates to Customers in Served by The Hydro-Electric as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Comber.....	52	60	3.3	1.2	0.83
Cookstown.....	51	45	4.3	1.0	1.39
Cottage Cove Townsite.....	45	60	4.4	1.7	1.67
Cottam.....	45	60	3.0	1.0	0.83
Courtright.....	59	60	3.0	1.1	1.11
Creemore.....	53	50	3.1	1.0	1.39
Dashwood.....	50	60	4.1	1.4	1.11
Delaware.....	46	60	3.8	1.4	1.11
Delhi.....	43	60	3.2	1.0	0.83
Deseronto.....	51	60	3.9	1.0	0.83
Dorchester.....	47	60	2.8	1.2	0.83
Drayton.....	59	55	4.0	1.3	1.11
Dresden.....	45	60	3.0	1.1	1.11
Drumbo.....	41	60	3.5	1.0	1.11
Dublin.....	55	60	3.5	1.1	1.11
Dundalk.....	44	60	2.7	1.0	1.11
Dundas.....	38	60	2.5	1.0	0.83
Dunnville.....	47	60	2.3	1.4	0.83
Durham.....	58	60	2.7	1.1	1.11
Dutton.....	51	60	2.9	1.2	0.83
East York Twp.....	42	60	2.5	1.3	0.83
Eganville.....	44	60	5.0	1.3	1.11
Elk Lake Townsite.....	42			Special	
Elmira.....	45	60	3.2	0.9	1.11
Elmvale.....	46	60	2.9	1.1	1.39
Elmwood.....	53	50	3.5	0.9	1.11
Elora.....	44	60	3.2	1.4	1.11
Embro.....	44	60	3.3	1.1	0.83
Englehart.....	50	60	4.5	1.5	0.83
Erieau.....	51	60	3.7	1.0	1.11
Erie Beach.....	61	60	5.3	1.5	1.67
Erin.....	50	40	5.0	1.5	1.39
Essex.....	51	60	2.9	1.2	1.11
Etobicoke Twp (including Thistletown)	40	60	2.7	1.3	0.83
Exeter.....	47	60	3.0	1.3	1.11
Fergus.....	45	60	2.9	1.2	1.11
Finch.....	51	45	3.0	1.2	1.39
Flesherton.....	50	60	2.8	1.0	1.11
Fonthill.....	41	60	3.0	1.3	0.83
Forest.....	50	60	3.4	1.0	0.83

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Continued

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.8	1.1	0.83	31.00	1.35	2.9	1.9	0.33
5.0	3.8	1.0	1.39	25.00	1.35	2.0	1.3	0.33
5.0	3.9	1.5	1.67	37.00	1.35	3.8	2.5	0.33
5.0	2.6	0.8	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.2	1.0	1.11	39.00	1.35	4.1	2.7	0.33
5.0	2.6	0.9	1.39	21.00	1.20	1.6	1.0	0.30
5.0	3.7	1.3	1.11	34.00	1.35	3.4	2.2	0.33
5.0	3.4	1.4	1.11	32.00	1.35	3.1	2.0	0.33
5.0	2.6	0.8	0.83	25.00	1.35	2.0	1.3	0.33
5.0	3.5	0.9	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.4	1.1	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.4	0.7	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.5	0.8	1.11	25.00	1.35	2.0	1.3	0.33
5.0	3.0	0.8	1.11	25.00	1.35	2.0	1.3	0.33
5.0	3.0	0.8	1.11	34.00	1.35	3.4	2.2	0.33
5.0	2.3	0.8	1.11	20.00	1.20	1.4	0.9	0.30
5.0	2.1	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.0	1.2	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.4	1.0	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.4	1.0	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.0	0.9	0.83	21.00	1.20	1.6	1.0	0.30
5.0	4.4	1.2	1.11	32.00	1.35	3.1	2.0	0.33
Special				Special				
5.0	2.6	0.8	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.4	1.0	1.39	29.00	1.35	2.6	1.7	0.33
5.0	3.0	0.8	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.8	1.4	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.7	0.7	0.83	32.00	1.35	3.1	2.0	0.33
5.0	4.0	1.5	0.83	32.00	1.35	3.1	2.0	0.33
5.0	3.5	0.9	1.11	38.00	A1.35	4.0	2.6	0.33
5.0	4.8	1.0	1.67	39.00	1.35	4.1	2.7	0.33
5.0	4.0	1.0	1.39	36.00	1.35	3.7	2.4	0.33
5.0	2.4	1.0	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.2	0.8	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.6	0.8	1.11	24.00	1.20	2.1	1.4	0.30
5.0	2.5	0.9	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.8	1.0	1.39	35.00	1.35	3.5	2.3	0.33
5.0	2.3	0.8	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.5	1.2	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.9	0.7	0.83	32.00	1.35	3.1	2.0	0.33

**Rates to Customers in
Served by The Hydro-Electric
as at December**

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Forest Hill.....	40	60	2.5	1.4	0.83
Fort William.....	34	60	2.0	0.8	0.83
Frankford.....	34	60	4.5	1.2	0.83
Galt.....	40	60	3.0	1.1	0.83
Georgetown.....	45	60	2.6	1.2	0.83
Glen Williams.....	45	60	3.3	1.6	0.83
Geraldton.....	43	60	4.4	1.5	1.67
Glencoe.....	52	60	3.0	0.9	1.11
Goderich.....	52	60	3.3	1.4	0.83
Grand Valley.....	50	60	3.0	1.2	1.11
Granton.....	50	60	3.9	1.4	1.11
Gravenhurst.....	40	60	2.1	1.0	1.11
Grimsby.....	46	60	2.5	1.1	0.83
Guelph.....	41	60	2.5	1.1	0.83
Hagersville.....	41	60	2.8	1.1	0.83
Haileybury.....	37	60	3.9	1.2	0.83
Hamilton.....	46	60	2.6	1.1	0.83
Hanover.....	42	60	2.4	1.0	0.83
Harriston.....	48	60	3.4	1.4	0.83
Harrow.....	49	60	3.5	1.4	0.83
Hastings.....	52	45	4.2	1.0	1.11
Havelock.....	45	60	3.6	1.5	0.83
Hawkesbury.....		Special			
Hearst.....	60	60	8.0	2.0	2.78
Hensall.....	48	60	3.2	1.0	0.83
Hepworth.....	50	60	4.0	1.2	1.67
Hespeler.....	42	60	3.2	1.1	0.83
Highgate.....	47	60	3.2	0.9	0.83
Holstein.....	75	60	3.0	1.0	1.11
Hudson Township.....	45	60	4.4	1.7	1.67
Huntsville.....	40	60	2.4	1.2	1.11
Ingersoll.....	46	60	3.4	1.3	1.11
Iroquois.....	43	60	2.8	1.2	0.83
Jarvis.....	44	60	2.8	0.9	0.83
Jellicoe Township.....	45	60	4.4	1.7	1.67
Kapuskasing.....	42	60	3.2	1.5	0.83
Kearns Township.....	45	c40	3.5	¹ 1.6 ² 0.75	² 1.67 ³ 2.25
Kemptville.....	45	55	3.2	1.0	0.83
Kincardine.....	45	50	3.1	1.0	1.11
King Kirkland Township.....	45	c40	3.5	¹ 1.6 ² 0.75	² 1.67 ³ 2.25
Kingston.....	38	60	1.8	0.9	0.83

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Continued

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.0	1.2	0.83	21.00	1.20	1.6	1.0	0.30
5.0	1.9	0.4	0.83	18.00	1.00	1.4	0.9	0.25
5.0	3.5	1.0	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.5	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.1	1.2	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.9	1.4	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.9	1.5	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.6	0.8	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.9	1.1	0.83	31.00	1.35	2.9	1.9	0.33
5.0	2.5	1.2	1.11	24.00	1.20	2.1	1.4	0.30
5.0	3.4	1.3	1.11	29.00	1.35	2.6	1.7	0.33
5.0	1.6	0.9	1.11	20.00	1.20	1.4	0.9	0.30
5.0	2.0	1.0	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.0	0.9	0.83	19.50	1.00	1.5	1.1	0.30
5.0	2.3	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.4	1.2	0.83	25.00	1.35	2.0	1.3	0.33
B5.0	1.9	0.7	0.83	18.50	1.00	1.4	0.9	0.40
5.0	2.0	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.0	1.3	0.83	30.00	1.35	2.8	1.8	0.33
5.0	3.1	1.2	0.83	30.00	1.35	2.8	1.8	0.33
5.0	3.6	1.0	1.11	37.00	1.35	3.8	2.5	0.33
5.0	3.1	1.3	0.83	30.00	1.35	2.8	1.8	0.33
Special	7.5	2.0	2.78	45.00	1.35	4.9	3.3	0.33
5.0	2.7	0.9	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.5	1.0	1.67	39.00	1.35	4.1	2.7	0.33
5.0	2.6	0.9	0.83	21.00	1.20	1.6	1.0	0.33
5.0	2.8	0.7	0.83	29.00	1.35	2.6	1.7	0.33
5.0	2.5	0.8	1.11	35.00	1.35	3.5	2.3	0.33
5.0	3.9	1.5	1.67	37.00	1.35	3.8	2.5	0.33
5.0	2.2	1.1	1.11	21.00	1.20	1.6	1.0	0.30
5.0	2.8	0.8	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.3	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.3	0.6	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.9	1.5	1.67	37.00	1.35	3.8	2.5	0.33
5.0	2.7	1.5	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.5	1.0	² 1.67 ³ 2.25	30.00	1.35	2.8	1.8	0.33
5.0	2.7	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.6	0.8	1.11	26.00	1.35	2.2	1.4	0.33
5.0	3.5	1.0	² 1.67 ³ 2.25	30.00	1.35	2.8	1.8	0.33
5.0	1.5	0.9	0.83	20.00	1.20	1.4	0.9	0.30

Rates to Customers in Served by The Hydro-Electric as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Kingsville.....	48	60	3.2	1.2	0.83
Kirkfield.....	58	50	5.0	1.2	1.66
Kirkland Lake.....	42	Special			
Kitchener.....	42	60	2.6	1.3	0.83
Lakefield.....	38	55	2.8	1.0	0.83
Lambeth.....	43	60	3.5	1.3	0.83
Lanark.....	36	60	2.5	1.1	0.83
Lancaster.....	62	60	3.0	1.0	0.83
Larder Lake Twp.....		Special			
La Salle.....	52	60	4.6	1.6	1.67
Latchford.....		60	5.0	2.0	1.67
Leamington.....	48	60	2.7	1.1	1.11
Lindsay.....	44	60	2.6	1.3	0.83
Listowel.....	49	60	3.0	1.3	0.83
London.....	44	60	2.8	1.2	0.83
London Twp.....	42	60	3.2	1.3	1.11
Long Branch.....	40	60	2.4	1.2	0.83
L'Orignal.....	41	60	6.0	2.0	1.50
Lucan.....	48	60	3.4	1.4	1.11
Lucknow.....	57	55	2.7	1.0	1.39
Lynden.....	45	60	3.2	1.1	0.83
Madoc.....	47	60	2.9	1.2	0.83
Magnetawan.....	52	60	6.0	2.0	3.60
Markdale.....	45	60	2.0	1.0	0.83
Markham.....	45	60	2.8	1.1	0.83
Marmora.....	48	60	3.6	1.0	0.83
Martintown.....	48	50	3.0	1.0	1.11
Massey.....		Special			
Matachewan Twp.....	45	50	4.5	1.0	1.11
Matheson.....	45	c40	3.5	¹ 1.6 (0.75)	² 1.67 ³ 2.25
Mattawa.....	45	60	5.3	1.6	1.67
Maxville.....	58	55	3.1	1.0	0.83
McGarry.....		Special			
Meaford.....	46	60	2.6	1.0	0.83
Merlin.....	44	60	3.1	1.0	0.83
Merrickville.....	40	60	3.0	1.3	1.11
Merritton.....	43	60	3.2	1.3	0.83
Midland.....	40	60	2.5	1.1	1.11
Mildmay.....	52	50	2.8	1.0	1.39
Millbrook.....	48	60	4.6	1.0	0.83

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Continued

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.4	1.0	0.83	27.00	1.35	2.3	1.5	0.33
5.0	4.5	1.0	1.66	39.00	1.35	4.1	2.7	0.33
	Special				Special			
5.0	2.3	1.0	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.4	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.1	1.1	0.83	39.00	1.35	4.1	2.7	0.33
5.0	2.0	1.0	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.5	1.0	0.83	35.00	1.35	3.5	2.3	0.33
Special					Special			
5.0	4.1	1.5	1.67	36.00	1.35	3.7	2.4	0.33
5.0	4.5	2.0	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.1	1.0	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.2	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.5	1.3	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.2	0.6	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.7	1.0	1.11	25.00	1.35	2.0	1.3	0.33
5.0	1.9	1.1	0.83	22.00	1.20	1.7	1.2	0.30
5.0	5.5	2.0	1.50	27.00	1.35	2.3	1.5	0.33
5.0	3.0	1.1	1.11	24.00	1.20	2.1	1.4	0.30
5.0	2.2	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.7	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.5	1.1	0.83	30.00	1.35	2.8	1.8	0.33
5.0	5.5	2.0	3.60	35.00	1.35	3.5	2.3	0.33
5.0	1.8	0.8	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.4	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.2	0.9	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.0	1.0	1.66	30.00	1.35	2.8	1.8	0.33
Special				Special				
5.0	3.5	1.0	² /1.67	30.00	1.35	2.8	1.8	0.33
			³ /2.25					
5.0	3.5	1.0	² /1.67	30.00	1.35	2.8	1.8	0.33
			³ /2.25					
5.0	4.8	1.6	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.8	1.0	0.83	35.00	1.35	3.5	2.3	0.33
Special				Special				
5.0	2.2	0.8	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.6	0.7	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.5	1.2	1.11	20.00	1.20	1.4	0.9	0.30
5.0	2.7	1.1	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.0	1.1	1.11	19.50	1.00	1.5	1.1	0.30
5.0	2.4	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	4.2	1.0	0.83	35.00	1.35	3.5	2.3	0.33

Rates to Customers in Served by The Hydro-Electric as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Milton	45	60	3.1	1.6	0.83
Milverton	48	60	3.4	1.3	1.11
Mimico	42	60	2.7	1.2	0.83
Mitchell	46	60	3.6	1.4	0.83
Moorefield	63	60	3.2	1.0	1.39
Morrisburg	43	60	3.0	1.0	0.83
Mount Brydges	48	60	2.9	1.3	0.83
Mount Forest	52	60	2.8	1.0	0.83
Napanee	39	60	2.8	1.1	0.83
Neustadt	52	60	3.0	1.0	1.39
Newboro		60	5.0	1.5	2.22
Newburgh	40	60	4.3	1.2	1.39
Newbury	50	60	4.0	1.0	1.11
Newcastle	43	60	3.0	0.9	1.11
New Hamburg	43	60	3.2	1.3	0.83
New Liskeard	42	Special			
Newmarket	40	60	2.5	1.0	0.83
New Toronto	42	60	2.6	1.2	0.83
Niagara	41	60	3.0	1.4	0.83
Niagara Falls	37	60	2.1	1.0	1.00
Nipigon Twp.	32	60	2.8	1.0	1.11
North Bay	42	60	2.3	1.0	0.83
North York Twp.	43	60	2.9	1.6	0.83
Norwich	46	60	3.4	1.2	1.11
Norwood	45	50	3.9	1.1	1.11
Oakville	44	60	3.0	1.4	0.83
Oil Springs	52	60	3.0	1.0	1.11
Omeme	44	60	3.3	1.0	0.83
Orangeville	52	55	2.8	1.0	1.11
Orono	45	60	4.5	1.0	1.11
Oshawa	42	60	3.0	1.1	0.83
Ottawa (including Eastview and Rock- cliffe Park)	32	b/60 (60)	(2.0 1.0)	*0.5	0.83
Otterville	46	60	3.0	1.0	0.83
Owen Sound	42	60	2.4	1.1	1.11
Paisley	57	50	4.0	1.0	1.39
Palmerston	44	60	2.6	1.0	1.11
Paris	42	60	2.8	1.3	0.83
Parkhill	50	60	3.4	1.2	1.11
Parry Sound	42	60	2.8	1.2	0.83
Penetanguishene	45	60	2.4	0.9	0.83

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Continued

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.6	1.6	0.83	28.00	1.35	2.5	1.6	0.33
5.0	3.0	1.4	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.2	1.1	0.83	23.00	1.20	1.9	1.3	0.30
5.0	3.1	1.0	0.83	29.00	1.35	2.6	1.7	0.33
5.0	2.8	0.9	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.7	0.8	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.5	1.0	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.3	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.5	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	4.5	1.5	2.22	30.00	1.35	2.8	1.8	0.33
5.0	3.8	1.2	1.39	28.00	1.35	2.5	1.6	0.33
5.0	3.5	0.9	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.5	0.8	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.7	1.2	0.83	26.00	1.35	2.2	1.4	0.33
Special					Special			
5.0	2.2	1.0	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.0	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	1.2	0.83	24.00	1.20	2.1	1.4	0.30
5.0	1.9	0.9	1.00	17.50	1.00	1.3	0.8	0.40
5.0	2.4	0.8	1.11	21.00	1.20	1.6	1.0	0.30
5.0	1.8	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.7	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.0	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	3.4	0.9	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.5	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.6	1.0	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.8	0.8	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.8	1.11	18.00	1.00	1.4	0.9	0.25
5.0	4.0	0.8	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.5	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.1	0.5	0.83	18.00	1.00†	1.8	1.2	0.15
5.0	2.5	0.8	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.1	1.0	1.11	19.50	1.00	1.5	1.1	0.40
5.0	3.5	0.8	1.39	35.00	1.35	3.5	2.3	0.33
5.0	2.2	0.8	1.11	21.00	1.20	1.6	1.0	0.30
5.0	2.3	0.8	0.83	19.50	1.00	1.5	1.1	0.30
5.0	2.9	1.2	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.3	1.2	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.1	0.7	0.83	20.00	1.20	1.4	0.9	0.30

Rates to Customers in Served by The Hydro-Electric as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Perth.....	37	55	2.8	1.0	0.83
Peterborough.....	40	60	2.6	1.3	0.83
Petrolia.....	50	60	3.6	1.2	0.83
Pickle Lake Landing Townsite.....	45	60	4.4	1.7	1.67
Pictou.....	43	60	2.2	0.9	0.83
Plattsville.....	52	60	3.3	1.2	0.83
Point Edward.....	46	60	3.5	1.2	0.83
Port Arthur.....	34	60	2.0	0.8	0.83
Port Carling.....	50	b45	4.7	1.5	1.66
Port Colborne.....	41	60	2.7	1.0	0.83
Port Credit.....	42	60	2.7	1.3	0.83
Port Dalhousie.....	43	60	3.2	1.5	0.83
Port Dover.....	45	60	2.4	1.2	0.83
Port Elgin.....	50	60	3.5	1.3	1.11
Port Hope.....	45	60	2.6	1.3	0.83
Port McNicoll.....	48	60	3.3	1.0	0.83
Port Perry.....	52	50	4.0	1.2	1.11
Port Rowan.....	50	60	3.2	1.1	1.11
Port Stanley.....	47	60	2.8	0.9	1.11
Powassan.....	45	c40	3.5	¹ 1.6 ² 0.75	² 1.67 ³ 2.25
Prescott.....	40	60	2.9	1.3	0.83
Preston.....	40	60	3.3	1.3	0.83
Priceville.....	52	60	5.0	1.5	1.67
Princeton.....	48	60	3.0	1.0	1.39
Queenston.....	40	60	2.8	1.3	0.83
Red Lake Townsite.....	45	60	4.4	1.7	1.67
Red Rock.....	32	60	2.6	1.1	1.67
Renfrew.....	35	45	3.5	1.0	0.83
Richmond.....	54	40	4.3	1.2	1.67
Richmond Hill.....	45	60	2.8	1.2	0.83
Ridgetown.....	51	60	2.9	1.1	0.83
Ripley.....	68	55	4.8	1.0	1.67
Riverside.....	48	60	3.6	1.4	1.11
Rockwood.....	48	60	3.3	1.3	0.83
Rodney.....	52	60	2.5	1.0	0.83
Rosseau.....	43	60	3.5	1.6	1.67
Russell.....	40	60	3.3	1.2	1.11
St. Catharines.....	40	60	2.5	1.3	1.00
St. Clair Beach.....	46	60	3.6	1.2	1.11
St. George.....	44	60	2.5	0.9	0.83

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Continued

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.0	0.6	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.1	1.2	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.1	1.0	0.83	35.00	1.35	3.5	2.3	0.33
5.0	3.9	1.5	1.67	37.00	1.35	3.8	2.5	0.33
5.0	1.7	0.8	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.0	1.0	0.83	29.00	1.35	2.6	1.7	0.33
5.0	3.0	1.0	0.83	28.00	1.35	2.5	1.6	0.33
5.0	1.9	0.4	0.83	18.00	1.00	1.4	0.9	0.25
5.0	4.5	0.8	1.66	32.00	1.35	3.1	2.0	0.33
5.0	2.4	0.9	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.2	1.2	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.7	1.2	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.0	1.0	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.8	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.1	1.2	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.8	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	3.2	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.7	0.9	1.11	33.00	1.35	3.2	2.1	0.33
5.0	2.4	0.6	1.11	26.00	E1.35	2.2	1.4	0.33
5.0	3.5	1.0	² 1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.6	1.3	³ 2.25	22.00	1.20	1.7	1.2	0.30
5.0	2.8	0.9	0.83	23.00	1.20	1.9	1.3	0.30
5.0	4.5	1.5	1.67	33.00	1.35	3.2	2.1	0.33
5.0	2.7	0.8	1.39	24.00	1.20	2.1	1.4	0.30
5.0	2.4	1.2	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.9	1.5	1.67	37.00	1.35	3.8	2.5	0.33
5.0	2.1	1.0	1.67	21.00	1.20	1.6	1.0	0.30
5.0	2.0	0.5	0.83	21.00	1.20	1.6	1.0	0.30
5.0	4.0	1.0	1.67	35.00	1.35	3.5	2.3	0.33
5.0	2.3	1.2	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.4	0.9	0.83	26.00	1.35	2.2	1.4	0.33
5.0	4.3	0.8	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.9	1.0	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.8	1.2	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.2	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	3.0	1.6	1.67	29.00	1.35	2.6	1.7	0.33
5.0	2.8	1.2	1.11	25.00	1.35	2.0	1.3	0.33
B5.0	2.1	0.9	D1.00	21.00	1.20	1.6	1.0	0.30
5.0	3.5	1.1	1.11	32.00	1.35	3.1	2.0	0.33
5.0	2.0	0.6	0.83	22.00	1.20	1.7	1.2	0.30

Rates to Customers in Served by The Hydro-Electric as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
St. Jacobs.....	42	60	3.0	1.1	0.83
St. Mary's.....	43	60	3.5	1.3	0.83
St. Thomas.....	43	60	3.2	1.2	0.83
Sarnia.....	44	60	3.0	1.2	0.83
Scarborough Twp.....	43	60	2.7	1.4	0.83
Schreiber Twp.....	35	60	3.5	1.2	1.67
Seaforth.....	47	60	3.1	1.2	0.83
Shelburne.....	45	60	3.0	1.2	1.11
Simcoe.....	42	60	2.5	1.0	0.83
Sioux Lookout.....	51	60	4.0	1.5	2.00
Smith's Falls.....	38	60	2.6	1.0	0.83
Smithville.....	45	60	3.2	1.2	0.83
Southampton.....	48	50	3.2	1.1	1.11
South Porcupine Townsite.....	42		Special		
Springfield.....	49	60	3.4	0.9	0.83
Stamford Twp.....	36	60	3.1	1.3	1.00
Stayner.....	41	60	3.0	1.2	1.11
Stirling.....	40	60	2.7	1.3	0.83
Stoney Creek.....	41	60	3.7	1.4	0.83
Stouffville.....	44	60	2.4	1.0	0.83
Stratford.....	43	60	2.9	1.2	0.83
Strathroy.....	42	60	3.1	0.9	0.83
Streetsville.....	42	60	2.9	1.3	0.83
Sturgeon Falls.....	46	60	3.8	1.5	1.11
Sudbury.....	43	60	2.6	1.2	1.11
Sunderland.....	60	60	3.5	1.0	1.11
Sundridge.....	52	60	5.8	2.0	2.50
Sutton.....	48	60	2.7	1.0	1.11
Swansea.....	44	60	2.4	1.3	0.83
Tara.....	48	60	2.8	1.2	1.11
Tavistock.....	44	60	2.7	1.4	0.83
Tecumseh.....	43	60	3.5	1.0	1.11
Teeswater.....	60	60	3.0	1.0	1.11
Terrace Bay.....	35	60	2.7	1.0	1.67
Thamesford.....	49	60	3.6	1.5	1.11
Thamesville.....	52	60	3.5	1.3	0.83
Thedford.....	56	60	3.6	1.0	0.83
Thornbury.....	48	60	3.5	1.3	1.11
Thornedale.....	58	60	4.1	1.2	0.83
Thornloe.....			Special		

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Continued

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.5	1.0	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.0	1.2	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.3	0.6	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	0.8	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.2	1.1	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.0	1.2	1.67	29.00	1.35	2.6	1.7	0.33
5.0	2.6	0.9	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.5	1.2	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.0	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.5	2.0	F1.00	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.8	1.1	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.9	1.1	1.11	26.00	1.35	2.2	1.4	0.33
Special				Special				
5.0	2.9	0.8	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.8	1.2	1.00	21.00	1.20	1.6	1.0	0.30
5.0	2.5	1.2	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.2	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.3	1.1	0.83	27.00	1.35	2.3	1.5	0.33
5.0	1.9	1.0	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.4	0.7	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.5	0.6	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.4	1.3	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.3	1.5	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.4	1.2	1.11	25.00	1.35	2.0	1.3	0.33
5.0	3.0	0.8	1.11	33.00	1.35	3.2	2.1	0.33
5.0	5.3	2.0	2.50	35.00	1.35	3.5	2.3	0.33
5.0	2.4	0.7	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.0	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.4	1.0	1.11	31.00	1.35	2.9	1.9	0.33
5.0	2.3	1.4	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.9	0.7	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.6	0.8	1.11	34.00	1.35	3.4	2.2	0.33
5.0	2.2	1.0	1.67	29.00	1.35	2.6	1.7	0.33
5.0	3.1	1.4	1.11	31.00	1.35	2.9	1.9	0.33
5.0	3.0	1.0	0.83	30.00	1.35	2.8	1.8	0.33
5.0	3.2	0.7	0.83	28.00	1.35	2.5	1.6	0.33
5.0	3.1	1.3	1.11	23.00	1.20	1.9	1.3	0.30
5.0	3.7	1.0	0.83	36.00	1.35	3.7	2.4	0.33
Special				Special				

Rates to Customers in Served by The Hydro-Electric as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Thornton.....	62	60	3.8	1.0	1.39
Thorold.....	40	60	2.7	1.4	1.11
Tilbury.....	51	60	2.5	1.0	0.83
Tillsonburg.....	43	60	3.2	1.2	1.11
Timmins.....	42		Special		
Toronto (including Leaside).....	**	60	2.0	1.4	0.83
Toronto Twp.....	42	60	3.0	1.6	1.11
Tottenham.....	44	50	3.5	1.0	1.39
Trafalgar Twp.....	43	60	4.5	2.3	1.11
Trenton.....	33	60	1.8	0.8	0.83
Tweed.....	57	50	3.8	1.0	0.83
Uxbridge.....	55	60	3.1	1.0	1.11
Vankleek Hill.....	41	60	4.5	1.5	1.11
Victoria Harbour.....	45	60	2.8	1.2	1.11
Walkerton.....	44	50	3.2	1.1	1.11
Wallaceburg.....	48	60	3.1	1.2	1.11
Wardsville.....	52	60	3.6	0.9	1.11
Warkworth.....	52	50	3.5	1.2	1.11
Wasaga Beach.....	37	60	4.3	2.2	1.67
Waterdown.....	42	60	2.6	1.2	0.83
Waterford.....	44	60	2.5	1.1	0.83
Waterloo.....	42	60	2.6	1.1	0.83
Watford.....	46	60	3.1	1.1	0.83
Waubashene.....	45	60	3.2	1.2	1.39
Webbwood.....			Special		
Welland.....	42	60	2.4	1.1	0.83
Wellesley.....	48	60	3.0	1.2	0.83
Wellington.....	48	60	2.5	0.9	0.83
West Lorne.....	51	60	2.9	1.0	1.11
Weston.....	43	60	2.5	1.2	0.83
Westport.....	40	60	3.0	1.0	1.11
Wheatley.....	53	60	2.9	1.0	0.83
Whitby.....	41	60	2.7	1.2	0.83
Warton.....	47	60	2.5	0.9	1.11
Williamsburg.....	40	60	2.0	0.8	0.83
Winchester.....	42	60	2.3	1.0	0.83
Windermere.....	66	60	4.0	1.5	2.22
Windsor.....	47	60	3.2	1.3	0.83
Wingham.....	45	50	3.2	1.1	1.11
Woodbridge.....	43	60	2.7	1.1	0.83

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Continued

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	Al. additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	3.3	1.0	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.2	1.2	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.0	1.0	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.7	1.0	1.11	24.00	1.20	2.1	1.4	0.30
Special					Special			
e8.5	2.1	0.7	0.83	24.00	{ 1.10 f1.50	{ 2.1 3.0	{ 1.4 1.2	{ 0.38 0.60
5.0	2.5	1.6	1.11	27.00	1.35	2.3	1.5	0.33
5.0	3.0	1.0	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.9	1.9	1.11	33.00	1.35	3.2	2.1	0.33
5.0	1.6	0.6	0.83	19.00	1.00	1.5	1.1	0.25
5.0	3.3	1.0	0.83	29.00	1.35	2.6	1.7	0.33
5.0	2.7	0.8	1.11	26.00	1.35	2.2	1.4	0.33
5.0	4.0	1.5	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.3	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.4	0.9	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.6	0.9	1.11	24.00	1.20	2.1	1.4	0.30
5.0	3.2	0.8	1.11	30.00	1.35	2.8	1.8	0.33
5.0	3.0	1.0	1.11	32.00	1.35	3.1	2.0	0.33
5.0	3.7	1.7	1.67	28.00	1.35	2.5	1.6	0.33
5.0	2.2	1.2	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.0	0.9	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.2	1.0	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.8	0.9	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.6	1.2	1.39	33.00	1.35	3.2	2.1	0.33
Special				Special				
5.0	2.1	1.0	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.7	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.3	0.7	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.5	0.9	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.0	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	1.0	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.7	0.7	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.3	1.0	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.0	0.9	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.0	0.8	0.83	32.00	1.35	3.1	2.0	0.33
5.0	1.8	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	4.0	1.5	2.22	39.00	1.35	4.1	2.7	0.33
5.0	2.8	1.3	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.6	0.8	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.3	1.1	0.83	22.00	1.20	1.7	1.2	0.30

Rates to Customers in
Served by The Hydro-Electric
as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Woodstock.....	43	60	3.3	1.2	1.11
Woodville.....	58	50	3.8	1.0	1.11
Wyoming.....	50	60	3.4	1.0	0.83
York Twp.....	42	60	2.3	1.1	0.83
Zurich.....	51	60	3.7	1.2	0.83

NOTES

Service Charges

All but item (b) apply to both 2-wire and 3-wire service.

- a 60¢ per month.
- b 33¢ per month per service when the permanently installed appliance load is under 2,000 watts and 66¢ per month when 2,000 watts or more.
- c 56¢ per month.
- d \$1.00 per hp.
- e Minimum 50¢.
- f Direct-current service \$1.50 per kw per month for first 7½ kw plus \$1.05 per kw for all additional demand.

Types of Service

- ¹ 2-wire service next 80 kwh; 3-wire service next 180 kwh.
- ² 2-wire service.
- ³ 3-wire service.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Concluded

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.5	1.0	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.8	0.8	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.9	0.7	0.83	33.00	1.35	3.2	2.1	0.33
5.0	2.1	1.0	0.83	23.00	1.20	1.9	1.3	0.30
5.0	3.4	0.9	0.83	32.00	1.35	3.1	2.0	0.33

NOTES

Established Minimum Bills

- A \$3.00 per kw per month.
 B Minimum 500 watts.
 C 83¢ or \$1.00 per kw.
 D \$1.00 or \$1.00 per kw.
 E \$1.50 per kw per month.
 F Per 100 watts—minimum \$2.00, maximum \$5.00.

Special Rates or Discounts

† Local discount 15 and 10 per cent.

* 1.0¢ for monthly consumption in excess of 1,000 kwh.

** Flat-rate water-heater service—Toronto:

System-owned—First 400 watts \$2.90 per month.
 Each 100 watts additional 40¢ per month.
 1,000-watt and 1,200-watt heaters 30¢ additional per month.
 1,500-watt heaters 40¢ additional per month.
 2,000-watt and 2,500-watt heaters 50¢ additional per month.
 Heaters 3,000 watts and over 55¢ additional per month.

Customer-owned—First 400 watts \$1.98 per month.
 Each 100 watts additional 40¢ per month.

STATEMENT "D"

Statement "D" gives useful and interesting information about the services rendered, first by the municipal electrical utilities operating under cost or fixed-rate contracts with the Commission, and second by the Commission in serving ultimate customers through the operation of local distribution systems. It gives for each of the three main classes of service the revenue, number of customers, average consumption or load, and certain average unit costs. The revenue and estimated consumption resulting from the use of flat-rate water-heaters are included in the total figures given. The population given in each instance is the assessed population of the municipality, or municipalities, served by the particular utility.

The average cost per kilowatt-hour to the customer is equivalent to the average revenue per kilowatt-hour received by the utility. Since the revenue includes any surplus or deficit resulting from the year's operation under rates currently in effect, the average cost per kilowatt-hour should not be taken as the utility's cost of supplying one kilowatt-hour. If rates are increased to offset a recurring deficit, the average cost per kilowatt-hour may rise. An increase in consumption accompanying an increase in rates would, however, tend to counter such a rise. A comparison of the average costs per kilowatt-hour over a number of years will show the trend in any one municipality. The trend in all municipalities, whether served under cost or fixed-rate contracts or as local systems, can be seen by referring to the tables and graphs on pages 92-3 and 342-3.

The figures in Statement "D" should not be used to compare the cost of service in one municipality with the cost in another. For such a comparison, the rates given in Statement "C" for the municipalities compared should be applied to a given number of kilowatt-hours. Since the ratio between first and second rates for domestic and commercial light service is not uniform for all municipalities, the municipality with the lower average cost for a given number of kilowatt-hours may have the higher average cost for a different number of kilowatt-hours.

One of the features of domestic service is the high annual consumption per customer. This high energy consumption, reflecting the generous use of a variety of electrical appliances, including flat-rate water-heaters, results in greater advantage being taken of low follow-up or special rates. Under such conditions average costs per kilowatt-hour are low.

Power service rates, by incorporating charges both for power and for energy, require the customer to pay first for his share of the kilowatts of demand (power) that the municipality is obliged to supply, and second for the kilowatt-hour use made of this demand (energy). The relationship between demand and energy is, therefore, an important factor in establishing average cost per kilowatt-hour. The use of the demand for only a few hours will result in a relatively small total bill but a high average cost per kilowatt-hour. The use

of demand for several hours will increase the total bill but substantially reduce the average cost per kilowatt-hour. Since the relatively small number of power customers in any municipality have such widely varying power demands in relation to their energy consumption, the average cost per kilowatt-hour is not shown.

For power service, as for domestic and commercial light service, the statistics in Statement "D" should be used only as a measure of the general economy of service to customers in the municipalities listed. For comparisons of costs between municipalities, the rates in Statement "C" should be used in conjunction with typical demands and energy consumption of customers taking similar service under comparable conditions.

For convenience, the municipalities in Statement "D" have been listed alphabetically in three divisions: (i) municipalities having a population of 10,000 or more, (ii) municipalities with a population of over 2,000 but fewer than 10,000, and (iii) municipalities whose population is under 2,000.

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the
MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Barrie.....	14,975	192,340.19	21,231,733	3,821	463	4.19	0.906
Belleville.....	19,981	253,003.47	31,687,370	5,550	476	3.80	0.798
Brampton.....	10,366	159,800.98	13,731,640	2,715	421	4.90	1.164
Brantford.....	36,526	428,740.90	39,041,766	10,002	325	3.57	1.098
Brantford Twp.....	18,662	231,392.48	17,234,369	3,769	381	5.11	1.342
Brockville.....	13,243	164,676.41	15,806,631	3,673	359	3.74	1.042
Chatham.....	22,274	269,638.38	14,634,500	5,926	206	3.79	1.840
East York Twp.....	65,736	986,330.37	87,237,018	18,201	399	4.52	1.131
Etobicoke Twp.....	70,209	1,333,873.22	128,734,680	21,680	495	5.13	1.036
Forest Hill.....	17,719	396,992.93	37,093,748	5,329	580	6.21	1.070
Fort William.....	36,795	514,965.95	74,391,460	10,163	610	4.22	0.692
Galt.....	21,513	304,554.30	24,892,819	6,248	332	4.06	1.223
Guelph.....	29,544	349,039.83	32,926,081	7,997	343	3.64	1.060
Hamilton.....	216,921	2,559,161.24	217,824,870	57,557	315	3.71	1.175
Kingston.....	44,888	556,622.80	52,171,655	11,374	382	4.08	1.067
† Kirkland Lake (including Swastika).....	\$16,200	208,485.03	12,922,334	4,623	233	3.76	1.613
Kitchener.....	52,773	811,903.73	69,755,125	14,451	402	4.68	1.164
London.....	99,147	1,238,644.11	105,704,686	26,096	343	4.02	1.172
London Twp.....	20,814	48,720.34	3,905,465	856	380	4.74	1.247
Mimico.....	12,301	187,004.82	16,709,246	3,563	391	4.37	1.119
Niagara Falls.....	25,006	265,659.16	26,937,139	6,060	370	3.65	0.986
North Bay.....	19,891	238,593.22	23,638,640	4,792	411	4.15	1.009
North York Twp.....	110,311	2,224,921.67	191,457,105	32,561	490	5.69	1.162
Oshawa.....	44,101	663,353.16	60,914,824	12,119	419	4.56	1.089
Ottawa (including Eastview and Rockcliffe Park).....	224,577	2,677,252.34	334,698,045	55,305	504	4.03	0.800
Owen Sound.....	17,112	215,205.13	18,432,214	4,702	327	3.81	1.168
Peterborough.....	39,714	551,790.69	56,252,971	10,864	431	4.23	0.981
Port Arthur.....	34,348	446,393.94	50,828,265	9,464	448	3.93	0.878
Port Colborne.....	13,113	99,345.48	7,839,815	3,345	195	2.47	1.267
Riverside.....	10,840	176,818.11	11,724,222	3,303	296	4.46	1.508
St. Catharines.....	39,399	513,766.97	43,833,543	11,131	328	3.85	1.172
St. Thomas.....	18,966	272,022.73	22,888,273	5,671	336	3.99	1.188
Sarnia.....	37,670	525,544.59	38,473,512	10,554	304	4.15	1.366
Scarborough Twp.....	78,803	1,040,051.10	78,617,470	20,872	314	4.15	1.323
Stamford Twp.....	22,868	324,688.10	27,089,182	5,598	403	4.83	1.198
Stratford.....	19,390	309,777.08	26,877,422	5,432	412	4.75	1.153
Sudbury.....	46,043	700,013.54	56,469,307	12,022	391	4.85	1.240
† Timmins (including Schumacher).....	\$29,200	350,216.02	21,766,622	7,554	240	3.86	1.609
Toronto (including Leaside)....	681,412	8,884,740.23	736,158,000	158,374	387	4.68	1.207
Toronto Twp.....	35,199	593,592.05	45,572,701	8,658	439	5.71	1.303
Trenton.....	10,200	114,963.27	13,725,566	3,110	368	3.08	0.838
Waterloo.....	13,062	202,086.95	19,208,508	3,631	441	4.64	1.052
Welland.....	16,435	139,968.92	11,652,739	4,005	242	2.91	1.201
Windsor.....	125,966	1,568,121.74	107,867,283	30,954	290	4.22	1.455
Woodstock.....	16,375	253,043.06	21,185,712	4,844	364	4.35	1.194
York Twp.....	100,463	1,367,109.70	132,753,451	29,006	381	3.93	1.030

§Estimated.

AND CONSUMPTION

Power service in Municipalities
Year 1953

Population 10,000 or more

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
112,987.48	8,393,754	588	1,190	16.01	1.346	75,731.90	86	3,058	4,495
144,786.04	12,374,712	872	1,183	13.84	1.170	113,821.37	148	4,849	6,570
59,932.91	3,645,303	349	870	14.31	1.644	59,585.84	83	2,412	3,147
211,961.70	16,771,067	1,631	857	10.83	1.264	638,358.29	271	29,512	11,904
31,880.69	1,499,786	152	822	17.47	2.125	16,659.32	19	535	3,940
67,449.38	4,943,992	445	926	12.63	1.364	182,135.09	80	5,805	4,198
294,641.70	13,946,714	1,036	1,122	23.70	2.112	349,763.02	173	10,508	7,135
154,680.11	10,836,757	924	977	13.95	1.427	220,959.89	141	7,386	19,266
280,868.24	19,154,473	1,337	1,194	17.51	1.466	404,541.18	253	13,613	23,270
96,417.88	6,084,907	463	1,095	17.35	1.585	13,020.29	60	488	5,852
235,894.88	22,894,495	1,361	1,362	14.04	1.030	479,351.55	204	19,885	11,728
141,434.37	8,383,330	688	1,015	17.12	1.687	367,137.72	190	13,038	7,126
139,595.74	10,543,638	943	932	12.34	1.324	325,139.10	195	12,377	9,135
1,282,714.06	99,183,889	7,087	1,166	15.08	1.293	5,662,295.23	1,410	177,955	66,054
394,049.24	34,590,720	1,352	2,132	24.29	1.139	267,204.87	220	9,686	12,946
123,226.61	7,496,439	905	690	11.35	1.644	55,770.85	125	1,734	5,653
365,320.01	22,837,376	1,505	1,264	20.22	1.600	952,644.91	397	27,629	16,353
620,858.40	44,078,371	2,545	1,443	20.33	1.409	1,073,757.99	429	35,602	29,070
6,977.02	366,826	25	1,222	23.25	1.903	2,735.23	4	77	885
54,260.56	3,469,465	284	1,018	15.92	1.564	39,908.87	48	1,299	3,895
198,908.47	14,851,288	1,029	1,203	16.11	1.339	233,432.20	169	8,504	7,258
132,218.91	10,103,975	858	981	12.84	1.304	90,047.74	103	2,959	5,753
454,808.98	24,116,117	2,173	925	17.44	1.885	440,590.71	317	14,537	35,051
239,520.45	14,693,813	1,119	1,094	17.84	1.630	772,859.02	189	22,772	13,427
2,285,951.41	184,090,758	7,924	1,936	24.04	1.242	788,241.89	998	31,961	64,227
122,293.28	7,449,888	657	945	15.51	1.642	139,812.86	123	5,501	5,482
233,316.35	15,028,490	1,334	939	14.57	1.552	450,933.91	225	18,513	12,423
234,344.20	20,101,725	1,233	1,358	15.84	1.165	528,173.68	167	22,696	10,864
66,855.08	3,991,834	448	743	12.44	1.675	55,482.19	58	1,849	3,851
25,513.84	1,382,083	140	823	15.19	1.846	25,682.92	19	711	3,462
292,781.12	18,734,555	1,457	1,072	16.74	1.563	807,220.75	286	26,584	12,874
129,240.39	9,227,522	715	1,075	15.06	1.401	184,532.90	107	6,097	6,493
225,007.92	13,363,014	1,111	1,002	16.88	1.684	611,678.48	121	14,555	11,786
248,040.05	15,675,358	1,330	982	15.54	1.582	722,239.86	230	20,841	22,432
81,712.05	3,526,835	391	752	17.42	2.317	58,392.99	49	2,093	6,038
120,977.83	7,472,555	697	893	14.46	1.619	139,801.50	151	4,973	6,280
351,460.50	20,212,482	1,443	1,167	20.30	1.739	110,441.26	181	3,401	13,646
177,662.75	10,488,680	1,135	770	13.04	1.694	42,880.52	138	1,337	8,827
6,700,580.07	437,408,560	27,909	1,306	20.01	1.532	*9,307,547.55	6,503	255,781	192,786
115,090.77	5,880,600	585	838	16.39	1.957	201,319.19	117	5,577	9,360
45,529.42	3,918,395	327	999	11.60	1.162	146,938.40	70	4,919	3,507
77,919.60	4,835,198	364	1,107	17.83	1.611	183,254.18	96	5,605	4,091
114,265.82	7,339,592	614	996	15.51	1.557	346,926.46	118	10,589	4,737
1,019,957.46	54,603,676	4,076	1,116	20.85	1.868	1,930,599.59	653	53,347	35,683
138,101.59	7,630,567	645	994	17.84	1.795	255,705.48	130	8,434	5,619
375,536.85	23,670,605	2,088	945	14.99	1.587	482,013.46	347	15,174	31,441

*Does not include street railway power.

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year
MUNICIPALITIES

MUNICIPALITY	Population	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Acton.....	2,829	43,367.03	3,510,017	832	351	4.34	1.236
†Ajax.....	5,124	71,975.05	5,366,598	1,259	355	4.76	1.341
Alexandria.....	2,253	21,518.67	1,555,216	597	217	3.00	1.384
Alliston.....	2,171	29,981.29	2,422,716	630	320	3.97	1.238
Almonte.....	2,554	29,784.80	3,084,676	785	327	3.16	0.965
Amherstburg.....	3,807	67,145.64	5,074,468	1,001	422	5.59	1.323
Ancaster Twp.....	7,432	49,820.38	3,860,440	727	443	5.72	1.291
Arnprior.....	4,578	50,708.66	4,243,622	1,227	288	3.44	1.195
†Atikokan.....	3,312	81,535.88	4,857,895	979	414	6.94	1.678
Aurora.....	3,543	62,578.24	5,748,747	1,122	427	4.65	1.089
Aylmer.....	3,724	44,015.91	3,898,980	1,070	303	3.43	1.136
Blenheim.....	2,648	21,432.08	1,411,557	775	152	2.31	1.520
Bowmanville.....	5,873	85,783.10	7,341,597	1,792	341	3.99	1.168
Brighton.....	2,017	30,574.20	2,307,684	653	294	3.90	1.325
Burlington.....	7,181	127,007.99	10,128,072	2,200	384	4.82	1.254
†Burlington Beach.....	3,073	37,881.96	2,931,877	814	300	3.88	1.292
Capreol.....	2,171	34,791.07	2,892,636	612	394	4.73	1.203
Carleton Place.....	4,590	51,297.01	4,587,821	1,336	286	3.20	1.118
Clinton.....	2,625	42,414.04	3,758,834	829	378	4.26	1.128
†Cobalt.....	2,312	28,841.56	1,410,424	590	199	4.07	2.045
Cobourg.....	8,152	119,009.39	9,966,241	2,241	370	4.43	1.197
Cochrane.....	3,525	50,501.79	4,407,917	887	452	5.18	1.146
Collingwood.....	7,558	87,150.00	6,933,476	2,195	263	3.31	1.257
Delhi.....	2,773	32,498.49	2,581,882	902	238	3.00	1.259
Dresden.....	2,032	18,010.92	1,001,304	631	132	2.38	1.798
Dundas.....	7,299	84,552.06	7,261,195	2,301	263	3.06	1.164
Dunnville.....	4,796	39,214.94	2,522,617	1,366	154	2.39	1.550
Elmira.....	2,644	38,779.33	3,399,205	776	365	4.16	1.141
Essex.....	3,075	30,724.91	2,028,290	841	201	3.05	1.515
Exeter.....	2,605	49,514.78	3,671,193	831	368	4.97	1.351
Fergus.....	3,406	54,233.19	4,208,595	1,028	341	4.39	1.288
Georgetown.....	3,779	69,134.24	5,711,656	1,283	371	4.49	1.210
†Geraldton.....	2,835	38,535.30	1,797,625	791	189	4.06	2.144
Goderich.....	5,675	95,951.83	6,541,970	1,766	309	4.53	1.467
Gravenhurst.....	3,012	40,241.41	3,791,296	992	318	3.38	1.061
Grimshy.....	3,188	37,325.12	3,500,853	993	294	3.13	1.066
†Haileybury.....	2,367	35,130.42	2,497,141	626	332	4.68	1.407
Hanover.....	3,985	51,661.74	4,533,458	1,134	333	3.80	1.139
†Hawkesbury.....	7,568	74,287.62	2,683,650	1,514	148	4.09	2.768
Hespeler.....	3,851	47,770.66	3,557,666	1,051	282	3.79	1.343

†Local system.

AND CONSUMPTION

Power service in Municipalities
1953—(Continued)

Population 2,000 to 9,999

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
18,103.69	1,058,571	115	767	13.12	1.710	80,264.53	27	2,277	974
36,778.58	2,089,335	95	1,833	32.26	1.760	80,793.70	32	1,974	1,386
17,149.53	900,090	145	517	9.86	1.905	16,987.99	15	576	757
15,710.44	811,151	139	486	9.42	1.937	15,149.21	28	509	797
11,345.27	651,876	126	431	7.50	1.740	24,295.11	28	849	939
31,666.10	1,892,714	193	817	13.67	1.673	29,014.99	21	748	1,215
9,228.49	377,870	48	656	16.02	2.442	2,078.50	8	74	783
31,131.00	1,747,441	216	674	12.01	1.781	38,571.32	31	1,425	1,474
34,308.31	1,399,428	152	767	18.81	2.452	9,959.36	8	80	1,139
30,150.93	2,148,811	164	1,092	15.32	1.403	40,480.79	29	1,391	1,315
29,820.86	2,083,525	231	751	10.76	1.432	41,611.29	34	1,352	1,335
25,211.45	1,456,367	175	694	12.01	1.731	17,327.75	19	534	969
28,459.31	1,649,671	223	616	10.64	1.725	83,247.65	31	2,731	2,046
14,621.22	768,734	142	451	8.58	1.902	6,253.27	12	240	807
53,395.36	2,873,641	267	897	16.67	1.858	31,682.39	31	796	2,498
13,530.85	692,906	75	770	15.03	1.953	2,670.81	3	51	892
9,213.73	513,625	79	542	9.72	1.793	10,966.75	2	236	693
22,951.52	1,234,016	223	461	8.58	1.860	38,703.71	22	1,395	1,581
20,464.71	1,176,320	176	554	9.63	1.739	17,651.09	27	535	1,032
22,503.42	764,075	130	490	14.43	2.945	7,195.29	12	224	732
51,901.96	3,104,710	304	851	14.23	1.672	85,132.33	61	2,642	2,606
33,468.19	1,909,306	190	914	16.01	1.753	13,280.43	27	36	1,104
43,259.56	2,614,240	319	683	11.30	1.655	71,865.53	66	2,766	2,580
30,825.53	1,573,583	248	529	10.36	1.958	15,215.39	33	510	1,183
19,231.55	988,580	161	512	9.95	1.943	18,153.64	24	614	816
38,295.19	2,447,260	260	784	12.27	1.565	70,530.70	56	2,924	2,617
37,779.71	2,243,330	276	677	11.41	1.684	63,825.57	36	1,975	1,678
25,035.33	1,385,885	148	780	14.09	1.806	59,286.46	29	1,719	953
26,705.32	1,511,815	175	720	12.72	1.766	16,779.83	29	615	1,045
22,394.81	1,193,132	167	595	11.18	1.879	15,173.16	27	573	1,025
19,690.27	1,146,045	132	723	12.42	1.718	35,477.78	19	1,209	1,179
24,926.31	1,397,102	164	710	12.67	1.784	62,947.00	32	1,896	1,479
37,426.60	1,412,901	160	736	19.49	2.649	4,118.02	13	31	964
47,029.41	2,133,005	302	588	12.96	2.205	66,733.46	52	1,933	2,120
26,275.64	2,078,505	178	973	12.30	1.264	31,107.55	23	1,098	1,193
24,152.32	1,656,449	179	771	11.24	1.458	16,989.83	18	569	1,190
19,885.14	933,154	128	608	12.95	2.131	10,047.01	21	590	775
21,112.51	1,238,619	178	580	9.88	1.705	43,641.60	33	1,557	1,345
63,262.24	2,088,333	241	722	21.87	3.029	16,492.57	19	370	1,774
15,539.02	819,254	117	583	11.06	1.897	118,330.66	31	3,488	1,199

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year
MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Huntsville.....	3,288	42,147.54	3,891,144	905	358	3.88	1.083
Ingersoll.....	6,607	86,636.78	5,715,378	1,917	248	3.77	1.520
Kapuskasing.....	5,187	30,906.01	1,882,453	1,204	313	5.13	1.642
Kincardine.....	2,680	33,378.07	2,784,232	885	262	3.14	1.195
Kingsville.....	2,670	38,476.65	2,666,338	899	247	3.57	1.445
La Salle.....	2,145	42,496.50	2,361,644	580	339	6.11	1.802
Leamington.....	7,732	81,573.03	5,960,966	2,271	219	2.99	1.365
Lindsay.....	9,843	154,297.33	11,766,018	2,827	347	4.55	1.311
Listowel.....	3,477	54,767.07	4,054,225	1,087	311	4.20	1.351
Long Branch.....	9,140	126,594.68	11,963,762	2,419	412	4.36	1.058
†Mattawa.....	3,057	29,574.65	1,614,162	567	237	4.35	1.832
McGarry.....	2,233	25,345.11	1,443,532	314	383	6.73	1.756
Meaford.....	3,372	39,786.67	3,284,297	1,069	256	3.10	1.211
Merrittton.....	5,135	68,212.69	5,628,738	1,353	347	4.20	1.212
Midland.....	7,539	97,541.53	8,413,960	2,076	338	3.92	1.159
Milton.....	2,650	45,988.16	3,432,190	845	338	4.54	1.340
Mount Forest.....	2,219	26,219.33	2,042,453	666	256	3.21	1.284
Napanee.....	3,877	57,300.78	5,133,103	1,177	363	4.06	1.116
†New Liskeard.....	3,991	63,624.46	4,413,077	1,106	333	4.79	1.442
Newmarket.....	5,686	80,779.61	7,627,140	1,623	392	4.15	1.059
New Toronto.....	9,744	136,192.34	12,667,771	2,533	417	4.48	1.075
Niagara.....	2,535	56,298.08	5,077,315	980	432	4.79	1.109
Nipigon Twp.....	2,166	19,463.62	1,577,685	454	289	3.57	1.233
Oakville.....	8,122	110,102.97	8,683,351	2,337	310	3.93	1.268
Orangeville.....	3,489	43,653.31	3,717,230	1,002	309	3.63	1.174
Paris.....	5,396	64,781.97	4,910,470	1,460	280	3.69	1.319
Parry Sound.....	5,264	62,068.34	4,834,795	1,442	279	3.59	1.284
Penetanguishene.....	4,553	35,883.75	3,220,223	1,082	248	2.76	1.114
Perth.....	5,042	59,951.28	5,089,333	1,500	283	3.33	1.178
Petrolia.....	3,293	34,038.37	1,934,492	984	164	2.88	1.759
Picton.....	4,416	58,917.23	5,989,921	1,404	356	3.50	0.984
Point Edward.....	2,035	24,616.93	1,513,250	588	215	3.49	1.623
Port Credit.....	4,556	83,409.69	7,943,350	1,428	464	4.87	1.050
Port Dalhousie.....	2,762	60,947.52	5,080,579	989	428	5.14	1.199
Port Dover.....	2,487	30,208.68	2,060,492	1,067	161	2.36	1.466
Port Hope.....	6,420	105,875.48	9,369,377	2,082	375	4.24	1.130
Prescott.....	3,930	56,817.23	4,270,371	1,029	346	4.60	1.330
Preston.....	8,519	121,068.32	8,715,175	2,157	337	4.68	1.389
Renfrew.....	7,904	82,104.72	6,887,198	2,032	282	3.37	1.192
Richmond Hill.....	3,310	58,138.80	4,978,471	1,075	386	4.51	1.168

†Local system.

AND CONSUMPTION

Power service in Municipalities

1953—(Continued)

POPULATION 2,000 to 9,999

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
37,787.77	2,291,635	189	1,010	16.66	1.649	25,913.28	26	849	1,120
46,409.37	2,463,847	256	802	15.11	1.884	103,614.33	46	3,223	2,219
26,587.81	1,143,554	178	1,285	29.87	2.325	2,567.60	26	19	1,408
19,059.54	888,860	157	472	10.12	2.144	23,214.08	22	660	1,064
27,745.39	1,426,333	190	626	12.17	1.944	15,502.48	29	505	1,118
9,594.12	344,081	43	667	18.59	2.787	2,021.29	6	70	629
47,343.37	2,999,443	395	633	9.99	1.578	68,898.67	51	1,868	2,717
78,851.73	4,073,577	450	754	14.60	1.936	98,735.49	83	3,302	3,360
36,896.14	1,843,627	199	772	15.44	2.001	35,123.62	35	1,138	1,321
40,125.00	2,826,731	282	835	11.86	1.419	45,623.64	30	1,582	2,731
32,196.93	1,195,148	113	881	23.74	2.694	9,689.43	6	273	686
8,866.37	697,824	58	1,003	12.74	1.271	1,350.64	1	23	373
22,551.11	1,428,714	185	644	10.16	1.578	25,101.91	30	829	1,284
16,334.48	771,547	96	669	14.18	2.117	464,188.62	21	12,999	1,470
42,932.42	2,704,580	268	841	13.35	1.587	125,569.14	62	5,143	2,406
20,507.55	973,632	136	597	12.57	2.106	67,209.38	21	1,688	1,002
19,785.54	1,107,306	167	553	9.87	1.787	12,927.01	22	425	855
41,906.79	2,369,894	248	796	14.08	1.768	24,572.31	31	949	1,456
37,480.81	2,068,245	222	776	14.07	1.812	34,514.30	33	889	1,361
38,068.02	2,190,527	247	739	12.84	1.738	41,533.20	43	1,397	1,913
77,898.89	5,290,235	347	1,270	18.71	1.473	420,987.09	75	15,806	2,955
16,857.42	1,026,699	115	744	12.22	1.642	4,472.25	13	155	1,108
18,511.89	1,296,750	101	1,069	15.27	1.427	1,760.39	5	64	560
80,440.16	4,185,728	427	817	15.70	1.922	101,026.32	86	3,447	2,850
28,932.61	1,777,660	215	689	11.21	1.628	8,964.57	37	473	1,254
21,658.51	1,469,162	212	577	8.50	1.474	42,600.86	34	1,692	1,706
37,855.41	1,812,909	263	574	11.99	2.088	12,741.85	24	432	1,729
19,869.80	1,319,443	163	675	10.16	1.505	29,263.00	21	1,010	1,266
31,850.81	2,114,915	250	705	10.62	1.506	27,014.04	34	1,154	1,784
24,795.43	1,097,896	165	555	12.52	2.256	29,693.93	55	685	1,204
36,088.86	2,746,566	296	773	10.16	1.314	20,088.85	45	1,005	1,745
8,344.59	326,710	60	454	11.59	2.553	113,547.32	14	2,971	662
33,800.95	2,019,444	173	973	16.28	1.674	34,096.77	27	944	1,628
12,573.51	737,518	95	647	11.03	1.705	13,830.79	12	517	1,096
16,903.16	1,008,291	182	462	7.74	1.676	15,841.93	25	481	1,274
44,032.26	2,621,314	275	794	13.34	1.680	96,919.90	48	2,936	2,405
28,047.98	1,430,459	193	618	12.11	1.961	25,661.08	30	1,112	1,252
43,543.31	2,443,765	257	792	14.11	1.782	170,429.99	72	5,567	2,486
34,315.48	2,255,128	277	678	10.32	1.522	96,516.69	67	3,577	2,376
19,921.22	998,362	134	621	12.39	1.995	8,251.96	29	433	1,238

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year
MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Ridgetown.....	2,342	21,483.97	1,321,388	757	146	2.37	1.623
St. Mary's.....	4,167	73,581.61	5,568,050	1,255	370	4.89	1.321
Seaforth.....	2,121	30,440.84	2,230,145	643	289	3.95	1.365
Simcoe.....	7,348	69,254.42	5,604,970	2,186	214	2.65	1.236
Sioux Lookout.....	2,491	43,753.24	2,804,480	701	333	5.20	1.560
Smith's Falls.....	8,378	110,482.88	10,228,527	2,622	325	3.51	1.080
†South Porcupine Townsite.....	§4,950	57,098.60	3,389,037	1,414	200	3.37	1.685
Stoney Creek.....	2,563	44,883.84	3,519,700	812	361	4.60	1.275
Strathroy.....	3,785	57,004.24	4,935,625	1,237	333	3.84	1.153
Sturgeon Falls.....	5,347	48,080.78	2,449,221	1,155	162	3.47	1.963
Swansea.....	8,344	155,469.75	14,325,271	2,546	469	5.09	1.085
Tecumseh.....	3,733	37,971.69	2,402,191	1,025	195	3.09	1.585
Thorold.....	7,128	76,419.49	6,583,577	1,894	290	3.36	1.161
Tilbury.....	3,081	24,639.17	1,835,240	865	177	2.37	1.339
Tillsonburg.....	5,534	67,801.73	4,616,084	1,709	225	3.31	1.471
Trafalgar Twp.....	8,746	142,245.75	8,233,595	1,645	417	7.21	1.728
Walkerton.....	3,415	42,363.30	3,244,457	998	271	3.54	1.306
Wallaceburg.....	7,437	72,854.82	4,746,310	2,248	176	2.70	1.534
Weston.....	8,374	145,132.16	13,800,161	2,363	487	5.12	1.052
Whitby.....	6,231	91,025.64	7,885,935	1,626	404	4.67	1.154
Wingham.....	2,713	39,797.35	3,317,003	775	357	4.28	1.200

†Local system.
§Estimated.

AND CONSUMPTION

Power service in Municipalities

1953—(Continued)

Population 2,000 to 9,999—Concluded

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
21,179.13	1,027,065	175	489	10.09	2.063	13,662.72	28	465	960
26,096.26	1,236,376	198	520	10.98	2.112	43,102.68	45	1,299	1,498
20,628.19	1,006,175	120	699	14.33	2.050	14,742.23	21	535	784
68,946.19	4,647,402	496	781	11.58	1.483	73,963.95	76	2,507	2,758
23,829.01	855,410	114	625	17.42	2.785	13,780.81	14	295	829
55,685.46	4,091,040	375	909	12.37	1.361	45,951.42	50	1,855	3,047
28,537.77	1,578,690	226	582	10.52	1.808	7,536.81	40	342	1,680
19,438.00	931,819	121	642	13.39	2.086	8,622.47	15	241	948
27,724.17	1,709,594	243	586	9.51	1.623	28,475.40	45	1,016	1,525
37,625.99	1,473,178	207	593	15.15	2.554	6,056.32	16	196	1,378
40,631.79	2,349,032	153	1,279	22.13	1.730	47,488.06	31	1,554	2,730
13,644.41	698,937	95	613	11.97	1.953	10,306.28	9	274	1,129
33,326.21	1,954,880	232	702	11.97	1.704	214,311.32	38	5,068	2,164
20,427.60	1,210,100	170	593	10.01	1.688	35,740.94	25	1,418	1,060
60,126.32	3,243,766	350	772	14.32	1.855	51,240.02	51	1,611	2,110
24,565.32	846,462	103	685	19.87	2.902	23,768.25	21	530	1,769
30,651.85	1,556,472	188	690	13.59	1.969	17,250.58	20	559	1,206
54,155.70	3,133,603	388	673	11.63	1.728	256,075.89	75	8,507	2,711
67,389.95	4,579,491	308	1,239	18.23	1.472	140,880.74	60	4,365	2,731
32,191.57	1,953,206	223	730	12.03	1.648	39,284.22	44	1,342	1,893
23,073.29	1,232,288	167	615	11.51	1.872	26,425.44	29	739	971

CUSTOMERS, REVENUE

for Domestic, Commercial light, and

during the Year

MUNICIPALITIES

MUNICIPALITY	Popu- lation	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Agincourt.....	1,041	22,359.76	2,052,319	351	487	5.31	1.089
Ailsa Craig.....	533	7,404.44	496,195	169	248	3.70	1.492
*Alfred.....	1,003						
Alvinston.....	675	5,739.02	272,420	254	89	1.88	2.107
Apple Hill.....	464	2,591.02	120,140	90	111	2.40	2.157
Arkona.....	404	7,107.73	401,252	142	236	4.17	1.767
Arthur.....	1,096	13,898.38	875,627	342	213	3.39	1.587
Athens.....	847	8,498.50	468,620	269	145	2.63	1.814
Ayr.....	920	13,513.88	972,940	270	300	4.17	1.389
Baden.....	801	11,513.22	807,830	207	325	4.63	1.425
†Bala.....	**372	18,384.41	801,824	566	118	2.71	2.293
Bancroft.....	1,445	15,503.10	674,792	365	154	3.54	2.297
Barry's Bay.....	1,351	11,758.12	283,285	272	87	3.60	4.510
Bath.....	431	7,243.70	317,123	163	162	3.70	2.284
Beachville.....	661	10,831.67	799,023	223	299	4.05	1.355
Beamsville.....	1,928	32,454.51	3,239,570	581	465	4.65	1.002
†Beardmore.....	1,012	12,378.32	581,638	219	221	4.71	2.128
Beaverton.....	984	15,224.98	1,138,417	375	253	3.38	1.337
Beeton.....	625	8,046.09	460,160	200	192	3.35	1.749
Belle River.....	1,547	18,906.62	896,320	493	152	3.20	2.105
Bloomfield.....	666	6,585.43	533,649	219	203	2.51	1.234
Blyth.....	730	9,024.16	640,593	236	226	3.18	1.409
Bobcaygeon.....	1,125	19,303.55	792,280	462	143	3.48	2.436
Bolton.....	965	13,750.15	1,106,050	276	340	4.15	1.243
Bothwell.....	738	5,909.23	413,030	224	154	2.20	1.430
Bradford.....	1,756	22,094.29	1,640,474	460	297	4.00	1.347
Bracside.....	459	4,049.07	200,657	128	131	2.64	2.018
Brechin.....	270	2,399.22	130,450	64	170	3.12	1.839
Bridgeport.....	1,277	15,940.24	1,317,768	331	318	4.01	1.210
Brigden.....	435	3,690.81	227,990	145	131	2.12	1.618
Bronte.....	1,245	22,555.14	1,269,492	445	238	4.22	1.777
Brussels.....	827	11,403.07	852,530	290	245	3.28	1.337
Burford.....	938	15,441.01	1,258,052	327	321	3.94	1.227
Burgessville.....	219	3,564.44	242,620	71	285	4.18	1.469
Burks Falls.....	866	9,583.19	403,335	236	142	3.38	2.376
Cache Bay.....	790	6,975.90	175,833	181	81	3.21	3.967
Caledonia.....	1,785	17,984.30	1,191,774	560	177	2.67	1.509
Campbellville.....	283	3,865.54	263,160	69	318	4.67	1.469
Cannington.....	961	12,914.49	958,134	317	252	3.39	1.348
Cardinal.....	1,808	21,175.39	1,769,525	493	299	3.58	1.197

*Local system which receives power in bulk and retails it to ultimate customers.

**Excluding summer population.

†Local system.

AND CONSUMPTION

Power service in Municipalities

1953—(Continued)

Less than 2,000 population

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
7,151.07	384,070	50	640	11.92	1.862	9,974.81	10	274	411
3,337.93	125,759	41	256	6.78	2.648	2,664.15	4	90	214
4,975.66	206,000	61	281	6.80	2.420	13,749.42	1	164	1
1,099.65	49,026	22	186	4.16	2.243	2,223.78	7	69	322
3,641.94	131,694	39	281	7.78	2.769	210.55	1	15	113
8,645.00	368,944	95	324	7.58	2.343	1,955.95	3	44	184
3,791.43	141,827	39	303	8.10	2.673	3,972.16	12	152	449
6,523.08	278,287	51	455	10.66	2.344	969.40	2	48	310
4,115.76	220,080	34	539	10.08	1.870	4,718.21	11	158	332
4,483.13	162,311	68	199	5.49	2.762	14,581.05	4	410	245
11,842.72	394,385	100	329	9.87	3.003	634.62	3	55	637
6,727.17	167,115	58	240	9.66	4.025	3,727.92	6	129	471
2,482.15	77,574	20	323	10.34	3.200	707.57	4	11	334
1,614.00	73,164	32	191	4.20	2.199	275.20	1	11	184
11,429.39	673,478	95	591	10.03	1.697	36,843.23	3	947	258
16,393.56	670,474	73	765	18.71	2.445	5,307.83	11	228	687
7,286.62	368,345	90	341	6.75	1.978	159.06	2	11	294
4,419.63	178,175	42	354	8.77	2.480	4,988.64	9	297	474
11,443.93	484,776	80	505	11.92	2.360	2,215.10	7	55	249
5,154.89	265,910	48	462	8.95	1.939	3,440.44	6	85	579
5,032.98	218,691	64	285	6.56	2.301	2,483.76	7	103	274
10,903.16	334,125	93	299	9.77	3.263	8,409.16	7	254	307
6,454.08	324,550	58	466	9.27	1.989	1,033.57	4	23	559
5,344.03	344,930	65	442	6.85	1.549	4,159.11	16	176	350
18,495.76	809,713	116	582	13.29	2.284	3,491.27	9	117	298
838.92	23,985	13	154	5.38	3.498	16,784.74	25	516	601
2,336.04	81,691	23	296	8.46	2.860	6,013.87	3	188	144
4,680.51	248,072	30	689	13.01	1.887	756.01	1	26	88
3,079.30	140,090	49	238	5.23	2.198	2,263.26	6	91	367
6,474.93	332,526	84	330	6.42	1.947	4,110.98	6	132	200
5,640.57	318,095	78	340	6.03	1.773	2,061.22	10	79	539
5,647.06	306,001	58	440	8.12	1.845	4,874.63	9	137	377
1,330.58	51,209	21	203	5.28	2.601	3,772.37	6	139	391
9,494.48	312,610	67	389	11.81	3.037	1,434.58	3	60	95
2,230.88	48,751	23	177	8.08	4.576	2,890.36	4	115	307
12,816.59	785,201	120	545	8.89	1.632	22,854.40	3	519	207
858.95	37,484	11	284	6.51	2.292	10,191.79	14	304	694
6,181.49	264,673	77	286	6.69	2.336	442.95	1	7	81
6,378.61	357,645	66	452	8.05	1.783	4,665.86	11	171	405
						909.87	3	25	562

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year
MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Casselman.....	1,130	10,872.25	367,838	272	113	3.33	2.955
Cayuga.....	771	7,451.47	427,493	227	157	2.74	1.743
Chatsworth.....	390	5,590.73	388,770	131	247	3.56	1.438
Chesley.....	1,677	22,552.00	1,833,660	561	272	3.35	1.229
Chester ville.....	1,153	10,524.70	998,560	313	266	2.80	1.054
Chippawa.....	1,834	26,148.96	2,185,630	533	342	4.09	1.196
Clifford.....	527	8,495.48	545,577	157	290	4.52	1.557
Cobden.....	835	8,852.36	627,220	255	205	2.89	1.411
Colborne.....	1,156	17,382.21	1,380,407	385	299	3.76	1.259
Coldwater.....	629	7,871.67	603,510	196	258	3.36	1.304
Comber.....	575	4,917.17	258,290	162	133	2.53	1.902
Cookstown.....	527	6,427.11	412,110	164	209	3.27	1.560
†Cottage Cove Townsite.....	§475	8,208.31	452,384	135	279	5.07	1.814
Cottam.....	573	5,712.34	386,520	181	178	2.63	1.478
Courtright.....	559	4,176.36	232,966	152	128	2.29	1.789
Creemore.....	747	9,585.74	724,850	259	233	3.08	1.322
Dashwood.....	406	7,365.53	416,774	132	263	4.65	1.767
Delaware.....	336	6,256.43	431,730	101	356	5.16	1.449
Deseronto.....	1,555	21,040.81	1,374,065	518	221	3.38	1.531
Dorchester.....	687	8,002.40	602,620	220	228	3.03	1.328
Drayton.....	540	8,291.80	446,868	210	177	3.28	1.855
Drumbo.....	339	5,565.94	404,262	123	274	3.77	1.377
Dublin.....	251	3,640.65	259,800	85	255	3.57	1.401
Dundalk.....	774	8,559.21	619,383	272	190	2.62	1.382
Durham.....	1,873	22,004.47	1,593,200	566	235	3.24	1.381
Dutton.....	809	5,984.86	402,937	257	131	1.94	1.481
Eganville.....	1,408	16,418.41	672,403	382	147	3.58	2.442
†Elk Lake Townsite.....	§425	4,073.04	235,517	118	166	2.88	1.729
Elmvale.....	851	11,104.23	810,459	255	265	3.63	1.370
Elmwood.....	V.A.	2,886.04	180,800	96	157	2.51	1.596
Elora.....	1,413	21,731.90	1,360,818	425	268	4.28	1.597
Embro.....	472	8,584.71	660,900	165	334	4.34	1.299
†Englehart.....	1,589	25,239.15	1,440,124	458	262	4.59	1.753
Erieau.....	427	9,214.03	601,992	268	187	2.87	1.535
Erie Beach.....	74	3,099.75	79,091	123	54	2.10	3.889
Erin.....	693	12,067.85	599,975	281	178	3.58	2.011
Finch.....	370	4,920.96	366,735	128	239	3.20	1.342
Flesherton.....	472	5,285.50	389,739	154	211	2.86	1.356
Fonthill.....	1,621	25,486.63	2,198,828	485	378	4.38	1.159
Forest.....	1,800	29,118.58	2,357,680	623	315	3.89	1.235

†Local system.

§Estimated.

AND CONSUMPTION

Power service in Municipalities
1953—(Continued)

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
5,772.84	158,201	37	356	13.00	3.649	5,408.56	3	117	312
7,916.58	381,134	78	407	8.45	2.077	4,192.44	9	158	314
4,657.82	229,060	46	415	8.44	2.033	1,023.01	1	31	178
10,416.17	590,180	102	482	8.51	1.765	11,429.31	27	452	690
7,086.42	430,350	77	466	7.67	1.647	15,086.20	6	505	396
6,604.95	341,020	58	490	9.49	1.937	1,245.05	3	31	594
4,707.10	222,004	42	440	9.33	2.120	1,627.28	6	43	205
6,098.24	253,830	72	294	7.06	2.402	4,298.13	8	172	335
8,699.87	369,958	85	363	8.53	2.352	2,318.76	6	69	476
4,117.49	208,252	42	404	7.98	1.977	2,650.22	4	94	242
4,631.38	209,672	59	296	6.54	2.209	6,039.64	9	164	230
3,425.88	111,989	38	246	7.51	3.059	1,798.19	3	66	205
3,744.54	186,400	19	818	16.42	2.009				154
2,712.42	126,705	37	285	6.11	2.144	1,388.27	7	60	225
2,386.94	92,548	29	266	6.86	2.579	642.24	1	9	182
3,971.29	180,500	54	279	6.13	1.095	1,334.77	3	62	316
2,993.99	102,973	32	268	7.80	2.910	1,672.17	3	66	167
2,534.75	101,060	17	495	12.43	2.511				118
7,833.54	313,487	56	466	11.66	2.499	12,396.20	17	356	591
2,099.48	99,487	39	213	4.49	2.110	2,345.92	3	82	262
4,200.08	139,805	57	204	6.13	3.004	1,846.78	4	69	271
2,490.67	108,676	34	266	6.10	2.292	1,332.17	2	49	159
1,944.30	102,386	35	244	4.63	1.899	1,941.86	2	64	122
6,106.89	262,630	85	257	5.99	2.325	4,333.05	9	196	366
16,980.33	862,483	130	553	10.88	1.969	9,163.03	20	282	716
4,514.21	258,491	64	337	5.88	1.746	4,679.48	11	144	332
11,558.13	366,740	89	343	10.82	3.152	4,489.60	9	105	480
3,570.45	182,332	36	422	8.26	1.958	227.30	4	13	158
7,075.58	383,323	76	420	7.76	1.846	5,227.15	10	165	341
1,715.07	73,943	23	268	6.21	2.319	3,658.74	3	103	122
9,095.37	391,785	75	435	10.10	2.321	12,279.79	7	348	507
2,295.60	113,629	40	237	4.78	2.017	3,658.29	5	88	210
13,654.52	570,194	92	516	12.37	2.395	11,254.77	6	193	556
4,585.64	249,520	25	832	15.29	1.838	5,462.76	4	114	297
195.72	3,720	4	78	4.08	5.231				127
6,742.46	221,475	56	330	10.03	3.044	688.33	2	14	339
2,902.06	114,790	35	273	6.91	2.528	2,112.57	6	54	169
4,921.90	232,913	56	347	7.32	2.113	567.54	2	17	212
5,895.76	318,285	59	449	8.33	1.852	3,317.10	8	107	552
15,966.23	782,789	135	483	9.86	2.041	9,354.96	20	326	778

CUSTOMERS, REVENUE for Domestic, Commercial light, and during the Year

MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Frankford.....	1,425	18,257.31	998,420	387	215	3.93	1.829
Glencoe.....	945	7,673.25	447,201	308	121	2.08	1.719
Grand Valley.....	632	9,511.46	626,460	242	216	3.28	1.518
Granton.....	266	4,366.48	249,898	90	231	4.04	1.749
Hagersville.....	1,790	17,074.70	1,136,430	524	181	2.72	1.502
Harriston.....	1,575	24,473.35	1,695,522	474	298	4.30	1.443
Harrow.....	1,762	32,043.98	2,176,683	498	364	5.36	1.473
Hastings.....	870	9,370.62	557,226	343	135	2.28	1.682
Havelock.....	1,252	13,364.06	697,850	347	168	3.21	1.915
Hearst.....	1,954	30,743.64	777,073	483	134	5.30	3.955
Hensall.....	759	11,492.19	911,360	250	304	3.83	1.260
†Hepworth.....	356	3,220.31	145,720	89	136	3.02	2.210
Highgate.....	376	2,949.61	165,670	120	115	2.05	1.783
Holstein.....	174	2,420.11	176,170	74	198	2.73	1.373
†Hudson Townsite.....	380	6,243.40	244,806	146	140	3.56	2.550
Iroquois.....	1,078	17,690.62	1,258,544	365	287	4.04	1.406
Jarvis.....	633	5,021.62	331,490	192	144	2.18	1.515
†Jellicoe Townsite.....	\$125	1,881.28	30,580	36	71	4.35	6.152
†Kearns Townsite.....	\$450	6,066.93	352,601	129	228	3.92	1.721
Kemptville.....	1,566	22,504.28	1,856,056	510	303	3.68	1.212
†King Kirkland Townsite.....	\$350	3,279.44	167,080	95	147	2.88	1.953
Kirkfield.....	232	2,572.46	111,980	72	130	2.93	2.297
Lakefield.....	1,837	20,593.51	1,768,049	518	284	3.31	1.165
Lambeth.....	1,307	26,726.90	1,932,767	409	394	5.45	1.383
Lanark.....	814	6,643.25	438,213	236	155	2.35	1.516
Lancaster.....	577	4,899.84	339,136	149	190	2.74	1.444
Larder Lake Twp.....	1,827	23,534.23	1,139,913	433	219	4.53	2.065
Latchford.....	543	4,027.35	111,343	119	78	2.82	3.617
L'Orignal.....	1,044	6,243.42	188,933	248	127	4.20	3.304
*†L'Orignal.....	1,044	6,836.07	187,383				3.648
Lucan.....	896	14,813.38	1,049,532	260	336	4.75	1.414
Lucknow.....	911	11,686.92	930,005	365	210	2.67	1.271
Lynden.....	435	7,069.37	539,229	136	330	4.33	1.311
Madoc.....	1,422	16,371.43	1,112,390	409	227	3.34	1.472
Magnetawan.....	225	3,120.60	69,050	61	94	4.26	4.519
Markdale.....	872	8,614.12	796,449	274	242	2.62	1.082
Markham.....	1,913	29,326.48	2,388,490	587	339	4.16	1.228
Marmora.....	1,231	12,618.28	799,290	346	193	3.04	1.579
Martintown.....	125	2,639.02	195,890	79	207	2.78	1.347
†Massey.....	953	10,097.47	265,086	203	106	4.05	3.809
†Matachewan Twp.....	1,297	13,315.76	835,128	305	228	3.64	1.594

†Local system.

§Estimated.

*Supplied part of year only. Now cost municipality.

AND CONSUMPTION

Power service in Municipalities
1953—(Continued)

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
7,219.28	273,069	77	296	7.81	2.644	1,256.10	5	60	469
10,647.57	544,916	92	494	9.65	1.953	2,849.25	11	149	411
3,966.95	177,450	57	259	5.80	2.236	4,668.92	11	185	310
1,153.37	31,329	26	100	3.70	3.700	174.22	1	7	117
15,756.14	862,444	144	499	9.12	1.827	39,272.80	23	1,920	691
13,058.43	567,577	111	426	9.80	2.301	18,856.60	16	537	601
19,288.40	823,989	109	630	14.75	2.341	9,276.13	8	310	615
6,249.46	241,850	66	305	7.89	2.584	425.62	3	14	412
7,242.02	264,140	65	339	9.28	2.742	1,928.45	2	48	414
39,687.22	880,631	130	565	25.44	4.503	4,181.38	10	74	623
6,881.70	318,610	61	435	9.40	2.161	11,242.01	20	438	331
3,455.77	123,800	26	397	11.08	2.791				115
1,779.80	77,450	30	215	4.94	2.298	3,758.42	7	111	157
633.97	31,150	17	148	3.12	2.035	731.78	1	13	92
4,851.82	160,321	28	477	14.44	3.026	236.20	1	6	175
6,688.49	392,424	67	488	8.32	1.704	2,884.60	9	82	441
4,393.84	246,572	52	395	7.04	1.782	4,864.02	7	141	251
1,349.85	35,977	5	600	22.50	3.752				41
2,953.07	128,048	19	562	12.95	2.306	584.18	1	20	149
10,816.35	622,534	97	535	9.29	1.737	19,456.67	13	600	620
1,367.89	53,359	9	494	12.67	2.564				104
1,898.44	48,945	27	151	5.86	3.879				99
14,748.76	902,848	103	730	11.93	1.634	18,573.15	11	544	632
2,991.57	137,949	37	311	6.74	2.167	1,891.75	3	40	449
4,217.45	220,241	49	374	7.17	1.915	1,229.02	1	29	286
3,050.39	154,213	31	414	8.20	1.978				180
7,466.51	537,736	70	640	8.89	1.389	1,277.91	4	27	507
3,906.16	104,892	29	301	11.22	3.724	940.90	2	26	150
2,523.63	68,202	21	541	20.03	3.700	892.38	2	59	271
2,749.96	87,994				3.125	1,129.83		52	
7,978.72	364,131	62	489	10.72	2.192	2,625.85	6	84	328
6,655.70	326,619	107	254	5.23	2.053	11,014.93	12	284	484
1,315.07	55,902	14	333	7.83	2.352	2,251.13	3	91	153
13,104.56	669,708	118	473	9.25	1.957	8,099.51	9	278	536
2,660.73	60,660	21	241	10.56	4.386	43.26	1	1	83
7,447.75	463,854	84	460	7.39	1.606	2,140.47	7	87	365
10,469.77	589,320	90	546	9.69	1.777	5,520.20	12	225	689
9,616.76	456,200	67	567	11.96	2.108	1,625.22	3	48	416
1,684.60	62,704	24	218	5.85	2.686				103
6,869.58	192,581	53	303	10.80	3.567	328.35	4	6	265
5,693.84	223,522	58	321	8.18	2.547	63.25	1	2	364

CUSTOMERS, REVENUE for Domestic, Commercial light, and during the Year

MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
†Matheson	704	13,539.18	869,762	204	355	5.53	1.557
Maxville	734	7,215.63	532,570	216	205	2.78	1.355
Merlin	543	4,890.56	304,625	165	154	2.47	1.604
Merrickville	988	9,381.46	567,860	275	172	2.84	1.652
Mildmay	815	9,036.66	747,350	239	261	3.15	1.209
Millbrook	746	10,884.57	688,863	240	239	3.78	1.580
Milverton	1,074	16,991.52	1,080,966	334	270	4.24	1.572
Mitchell	1,996	37,770.42	2,636,430	656	335	4.40	1.433
Moorefield	293	3,214.91	215,450	82	219	3.27	1.492
Morrisburg	1,874	22,319.34	1,798,630	538	278	3.46	1.241
Mount Brydges	695	7,658.96	509,574	232	183	2.75	1.503
Neustadt	458	4,441.40	282,803	153	154	2.42	1.570
Newboro	302	3,954.82	137,982	92	125	3.58	2.866
Newburgh	491	6,062.13	329,141	141	195	3.58	1.842
Newbury	288	3,301.35	180,635	101	149	2.72	1.826
Newcastle	1,025	12,973.95	1,089,285	313	290	3.45	1.191
New Hamburg	1,822	27,600.73	2,083,200	498	349	4.62	1.325
Norwich	1,415	26,440.34	1,985,685	489	338	4.51	1.334
Norwood	1,026	12,074.60	861,278	296	242	3.40	1.402
Oil Springs	494	4,342.35	278,435	139	167	2.60	1.557
Omamee	773	8,785.00	608,824	235	216	3.12	1.443
Orono	594	12,155.32	746,580	254	245	3.99	1.628
Otterville	601	8,399.94	669,920	205	272	3.42	1.257
Paisley	746	9,624.62	635,840	270	196	2.97	1.514
Palmerston	1,618	22,034.59	1,993,665	493	337	3.72	1.105
Parkhill	1,008	17,406.42	1,207,750	360	280	4.03	1.439
†Pickle Lake Landing Townsite . .	\$75	1,201.62	30,094	19	132	5.27	3.993
Plattsville	454	7,083.10	478,796	146	273	4.04	1.479
†Port Carling	**471	18,894.26	886,507	363	204	4.34	2.131
Port Elgin	1,627	31,926.65	2,082,765	715	243	3.72	1.533
Port McNicoll	901	10,770.48	633,330	392	135	2.29	1.701
Port Perry	1,961	28,777.97	1,877,352	576	272	4.16	1.533
Port Rowan	738	6,354.09	329,670	277	99	1.91	1.927
Port Stanley	1,427	30,793.62	2,443,222	1,011	201	2.54	1.260
†Powassan	887	11,176.78	735,519	226	271	4.12	1.520
Priceville	151	1,872.03	66,740	55	100	2.84	2.805
Princeton	360	5,474.34	431,205	121	297	3.77	1.269
Queenston	401	7,633.77	790,548	122	540	5.21	0.966
†Red Lake Townsite	\$1,500	24,267.12	1,356,547	430	263	4.70	1.789
Red Rock	1,868	14,386.96	1,196,870	243	410	4.93	1.202

**Excluding summer population.

†Local system.

§Estimated.

AND CONSUMPTION

Power service in Municipalities

1953—(Continued)

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
5,937.14	304,752	50	508	9.90	1.948	2,141.09	7	58	261
5,337.18	226,270	54	349	8.24	2.359	2,149.80	2	69	272
4,738.59	238,931	58	343	6.81	1.985	2,328.80	4	142	227
4,816.51	250,088	52	401	7.72	1.926	4,897.27	9	217	336
5,611.55	262,700	64	342	7.31	2.136	1,747.33	7	42	310
5,793.62	176,790	61	242	7.91	3.277	757.07	2	13	303
10,280.81	392,876	85	385	10.08	2.617	12,206.81	15	400	434
17,481.01	809,491	136	496	10.71	2.159	18,423.45	27	537	819
2,341.16	106,200	27	328	7.23	2.204	1,475.28	2	51	111
14,476.79	826,900	142	485	8.49	1.751	9,045.30	31	322	711
2,749.55	150,604	51	246	4.49	1.825	2,434.38	4	84	287
2,550.58	123,420	36	286	5.90	2.066	4,736.78	3	111	192
1,410.62	36,760	18	170	6.53	3.837				110
3,034.57	109,860	24	381	10.54	2.762	1,545.62	3	43	168
1,149.60	46,492	23	169	4.17	2.468	209.72	1	11	125
6,714.98	407,501	50	679	11.19	1.648	10,382.95	11	304	374
13,923.76	677,603	118	478	9.82	2.055	16,532.72	19	511	635
12,454.77	553,063	106	435	9.79	2.251	4,574.90	11	150	606
7,396.69	304,490	73	348	8.44	2.429	4,190.07	5	152	374
2,367.87	88,482	38	194	5.19	2.675	6,183.94	32	122	209
3,570.44	142,025	39	303	7.63	2.514	1,700.08	6	45	280
3,676.98	129,262	43	251	7.13	2.845	581.37	3	20	300
3,464.96	172,530	53	271	5.45	2.011	1,376.48	9	53	267
5,193.91	210,655	63	279	6.87	2.465	2,670.32	6	68	339
11,572.70	638,800	105	507	9.19	1.812	11,719.00	23	566	621
10,146.73	436,010	92	395	9.19	2.327	6,390.49	12	162	464
1,129.11	18,952	13	121	7.24	5.958				32
4,290.05	188,593	29	542	12.33	2.274	5,681.93	1	226	176
7,388.82	225,131	53	354	11.62	3.282	3,398.51	5	94	421
16,989.84	767,761	151	424	9.32	2.213	6,607.12	11	233	877
1,955.94	79,753	32	208	5.09	2.452	41,518.82	2	1,197	426
13,626.22	627,565	115	455	9.87	2.171	3,963.31	11	124	702
5,998.45	292,149	78	312	6.40	2.053	1,339.10	5	47	360
11,965.45	722,771	118	510	8.45	1.657	13,058.50	17	577	1,146
8,494.37	347,218	52	556	13.61	2.446	500.14	2	25	280
1,005.17	34,745	12	289	6.98	2.890				67
1,597.13	75,800	30	211	4.45	2.107	1,635.93	4	60	155
4,849.98	297,669	18	1,378	22.45	1.629				140
28,893.28	1,356,571	129	876	18.66	2.130	8,186.31	8	146	567
9,330.41	585,280	24	2,032	32.40	1.594	662.78	2	15	269

CUSTOMERS, REVENUE for Domestic, Commercial light, and during the Year

MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Richmond.....	634	8,684.34	587,325	185	265	3.91	1.479
Ripley.....	465	7,359.85	450,864	153	246	4.01	1.632
Rockwood.....	707	11,810.99	776,240	228	284	4.32	1.521
Rodney.....	974	8,432.53	597,237	327	152	2.15	1.415
Rosseau.....	232	2,888.47	93,570	90	87	2.67	3.087
Russell.....	503	6,820.85	372,600	159	195	3.57	1.831
St. Clair Beach.....	612	10,558.30	704,945	201	292	4.38	1.500
St. George.....	647	6,346.13	526,833	200	220	2.65	1.204
St. Jacobs.....	725	9,784.98	792,790	176	375	4.63	1.234
Schreiber Twp.....	1,920	22,662.20	1,527,288	446	2,853	4.23	1.483
Shelburne.....	1,225	17,337.57	1,157,710	409	236	3.53	1.498
Smithville.....	725	7,980.59	592,650	250	197	2.66	1.346
Southampton.....	1,754	25,145.70	1,808,721	825	183	2.54	1.390
Springfield.....	505	5,086.67	337,440	137	205	3.09	1.507
Stayner.....	1,272	17,699.89	1,380,314	420	274	3.51	1.282
Stirling.....	1,175	19,000.28	1,523,707	377	337	4.20	1.247
Stouffville.....	1,893	26,719.52	2,396,614	606	330	3.67	1.115
Streetsville.....	1,409	25,090.89	1,775,631	403	367	5.19	1.413
Sunderland.....	563	7,799.27	537,555	191	235	3.40	1.451
Sundridge.....	676	8,526.17	236,866	199	99	3.57	3.600
Sutton.....	1,041	19,623.09	1,423,711	638	186	2.56	1.378
Tara.....	476	6,977.30	453,780	185	204	3.14	1.537
Tavistock.....	1,124	19,540.94	1,535,790	349	367	4.67	1.272
Teeswater.....	858	9,869.58	720,185	268	224	3.07	1.370
Terrace Bay.....	1,596	30,533.31	2,878,920	331	724	7.68	1.060
Thamesford.....	568	12,623.76	798,415	193	345	5.45	1.580
Thamesville.....	1,011	11,716.17	608,248	310	164	3.15	1.921
Thedford.....	654	8,003.87	523,540	212	206	3.15	1.529
Thornbury.....	1,055	15,471.53	884,930	369	200	3.49	1.748
Thorndale.....	315	5,998.46	366,242	98	311	5.10	1.640
†Thornloe.....	183	1,631.67	86,611	27	267	5.04	1.884
Thornton.....	196	2,754.70	412,800	78	153	2.94	1.929
Tottenham.....	622	8,166.25	596,590	200	249	3.40	1.369
Tweed.....	1,561	18,854.81	1,359,998	450	252	3.49	1.386
Uxbridge.....	1,971	26,638.34	2,052,008	602	284	3.69	1.298
Vankleek Hill.....	1,480	8,692.90	353,340	397	127	3.13	2.460
†*Vankleek Hill.....	1,480	9,572.15	289,718				3.304
Victoria Harbour.....	987	9,109.34	516,590	351	123	2.16	1.763
Wardsville.....	306	3,633.16	265,815	97	228	3.12	1.368
Warkworth.....	504	6,331.50	404,280	173	195	3.05	1.566
†Wasaga Beach.....	**434	21,820.05	614,918	708	72	2.57	3.548

*Supplied part of year only. Now cost municipality.

**Excluding summer population.

†Local system.

AND CONSUMPTION

Power service in Municipalities

1953—(Continued)

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
3,598.76	165,626	21	657	14.28	2.173	2,118.79	2	58	208
4,188.38	105,266	53	166	6.59	3.979	2,512.69	3	67	209
4,319.84	195,760	43	379	8.36	2.207	73.84	2	2	273
5,252.17	269,767	75	300	5.84	1.947	5,303.72	9	194	411
2,231.63	71,873	19	315	9.79	3.105				109
3,314.84	113,844	33	287	8.37	2.912	419.90	2	10	194
3,390.41	140,310	17	688	16.62	2.416	989.89	3	23	221
4,292.42	275,919	47	479	7.45	1.556	4,510.22	5	145	252
4,266.31	212,216	38	465	9.35	2.010	5,496.34	8	192	222
9,864.79	552,323	49	939.2	16.79	1.786	5,870.35	2	128	497
10,936.38	570,520	100	475	9.11	1.917	5,563.00	13	221	522
5,715.86	294,803	77	319	6.19	1.939	11,518.05	10	396	337
11,850.42	535,043	98	455	10.08	2.215	14,875.06	14	426	937
1,826.76	78,230	33	198	4.61	2.328	925.83	4	35	174
9,009.75	481,550	102	393	7.36	1.871	4,591.21	19	201	541
9,606.78	486,703	91	446	8.80	1.974	3,879.90	15	175	483
13,159.60	799,321	112	595	9.79	1.646	9,220.51	10	357	728
8,175.45	400,813	68	491	10.02	2.040	26,780.74	18	770	489
4,123.73	178,770	45	331	7.64	2.307	3,162.87	3	88	239
7,960.86	174,770	56	260	11.85	4.555	608.65	2	17	257
15,148.54	813,361	134	506	9.42	1.862	3,986.48	9	106	781
3,821.43	164,245	52	263	6.12	2.327	1,817.59	6	52	243
9,288.27	438,777	109	335	7.09	2.117	12,337.98	10	352	468
5,076.45	236,247	64	308	6.61	2.149	6,780.20	11	211	343
15,104.26	777,890	37	1,752	34.02	1.941	6,470.00	1	124	369
5,679.78	236,656	51	387	9.28	2.400	3,609.88	5	98	249
10,530.02	494,472	100	412	8.78	2.131	12,194.14	14	358	424
5,770.80	281,388	66	355	7.29	2.054	3,001.77	5	74	283
8,225.64	332,440	87	318	7.88	2.474	6,523.35	16	285	472
1,817.80	60,740	25	203	6.06	2.990	2,635.75	3	71	126
1,393.62	58,180	15	323	7.74	2.395				42
903.29	35,846	13	230	5.79	2.520	105.14	1	4	92
3,686.82	163,550	55	248	5.59	2.254	1,900.57	7	56	262
11,869.33	478,071	101	394	9.79	2.483	13,001.32	17	360	568
11,207.48	508,015	130	326	7.18	2.206	11,642.41	20	428	752
4,228.69	131,923	66	285	9.15	3.205	984.47	5	63	468
5,541.76	151,182				3.666	1,051.65		79	
2,399.90	120,440	35	287	5.71	1.993	323.73	2	8	388
2,624.20	154,847	25	516	8.75	1.696	61.57	1	2	123
2,861.86	89,935	50	150	4.77	3.182	917.14	2	19	225
32,793.12	919,554	241	318	11.34	3.566	795.92	3	23	952

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year
MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Waterdown.....	1,556	25,885.00	2,049,020	422	405	5.12	1.263
Waterford.....	1,755	20,051.73	1,443,532	565	213	2.96	1.389
Watford.....	1,200	17,893.91	1,315,506	383	286	3.89	1.360
Waubashene.....	V.A.	8,581.74	458,060	328	116	2.18	1.873
†Webbwood.....	475	4,570.20	118,632	101	98	3.77	3.852
Wellesley.....	644	8,354.19	576,150	190	253	3.67	1.450
Wellington.....	1,011	11,466.89	927,460	405	191	2.36	1.236
West Lorne.....	1,050	10,433.27	746,750	310	201	2.80	1.393
Westport.....	684	7,618.36	511,820	204	209	3.11	1.488
Wheatley.....	1,055	10,585.97	748,640	323	193	2.73	1.415
Warton.....	1,883	19,332.95	1,625,887	570	238	2.83	1.189
Williamsburg.....	288	2,864.31	304,710	97	262	2.46	0.940
Winchester.....	1,232	14,187.51	1,224,675	384	266	3.08	1.158
Windermere.....	129	4,174.39	163,370	93	146	3.74	2.555
Woodbridge.....	1,909	27,059.55	2,329,113	509	381	4.43	1.162
Woodville.....	420	4,778.71	314,039	137	191	2.91	1.522
Wyoming.....	784	6,683.02	385,570	232	138	2.40	1.739
Zurich.....	607	9,474.88	586,940	212	231	3.72	1.611

†Local system.

AND CONSUMPTION

Power service in Municipalities

1953—(Concluded)

Less than 2,000 population—Concluded

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
6,467.90	304,220	58	437	9.29	2.126	3,008.10	13	119	493
8,617.84	529,444	89	496	8.07	1.628	7,526.99	10	300	664
10,451.67	515,162	91	472	9.57	2.028	10,928.31	11	338	485
2,737.34	125,840	37	283	6.17	2.175	296.66	2	8	367
3,622.70	123,476	22	468	13.72	2.934	332.33	2	7	125
3,904.68	211,346	56	314	5.80	1.847	2,223.87	7	78	253
5,503.43	285,252	75	317	6.11	1.929	5,394.85	13	229	493
9,429.81	461,188	81	474	9.70	2.046	22,157.24	12	616	403
6,557.50	306,290	61	418	8.96	2.141				265
11,751.08	639,610	91	586	10.76	1.836	9,627.29	15	356	429
16,790.75	901,556	129	582	10.85	1.864	14,957.49	23	385	722
2,754.51	190,720	39	407	5.89	1.444	866.58	2	35	138
9,546.53	630,952	89	591	8.94	1.513	7,694.43	6	266	479
3,220.31	120,556	14	718	19.17	2.671	1,177.66	2	37	109
12,171.12	553,964	84	550	12.07	2.197	40,671.90	16	1,530	609
2,160.96	79,507	35	189	5.15	2.718	776.05	2	30	174
4,112.24	192,984	47	342	7.29	2.132	5,788.60	5	147	284
5,916.97	206,860	54	319	9.13	2.862	730.54	2	20	263

APPENDIX I—OPERATIONS

The tables in Appendix I are supplementary to the descriptive information on the year's operations given in Section I, and to the tables which relate to the delivery of power and energy in wholesale quantities given in Section III.

The tables of power demands and resources give for each system and in total the primary peak requirements, and the dependable capacity of resources generated and purchased, at the time of December primary peak requirements.

The dependable peak capacity and output of each of the Commission's generating stations and of the sources of purchased power are given in a separate table on pages 274-5. The dependable peak capacity of a source of generation is defined as the net output of power, subject to periodic change as equipment and water conditions vary, which the source is expected to be able to supply at the time of the system's primary peak demand. For Commission-owned or -operated generating stations, it is presumed that all units are available and that the supply of water is normal. Contractual stipulations govern the capacities of sources of purchased power.

Following the table of generating station capacities is a tabulation of the power and energy supplied in wholesale quantities to the municipal electrical utilities and local systems. It gives the peak load in December rather than the average of the monthly peak loads which is shown in the Cost of Power Statement. In addition, it gives the date of first delivery of power by the Commission, the frequency at which the municipality was supplied in December 1953, and the total energy supplied to each municipality during the year.

Statistics of peak loads and capacities are given, as elsewhere in the Report, in kilowatts rather than in horsepower. In order to convert the kilowatt figures to horsepower, it may be assumed that one horsepower is equivalent to 0.746 kilowatts.

Southern Ontario System

	1952	1953	Increase or decrease
Demands	kw	kw	kw
Primary load carried	2,765,086	2,880,280	115,194
Primary load cut	900	59,700	58,800
Primary peak requirements	2,765,986	2,939,980	173,994
Resources			
Commission hydro-electric generation	1,659,150	1,671,150	12,000
Commission fuel-electric generation	444,000	652,000	208,000
Power purchased	687,100	681,100	6,000
Dependable peak capacity	2,790,250	3,004,250	214,000

Figures in the above table apply to demands and resources

ANNUAL ENERGY

Sources of Energy

	1952	1953	Increase or decrease
	kwh	kwh	per cent
SOUTHERN ONTARIO SYSTEM			
Generated (net)			
hydro-electric	11,039,635,669	10,740,830,421	
fuel-electric	413,765,900	1,758,952,900	
Total generated	11,453,401,569	12,499,782,421	9.1
Purchased	4,689,509,003	4,609,120,488	1.7
Transferred * in or out	105,799,500	26,540,000	
Primary	15,453,074,572	16,443,001,709	6.4
Secondary	795,635,500	639,361,200	19.6
Total	16,248,710,072	17,082,362,909	5.1
NORTHERN ONTARIO PROPERTIES			
NORTHEASTERN DIVISION			
Generated (net)			
hydro-electric	2,047,593,090	1,956,982,420	
fuel-electric	17,540	15,050	
Total generated	2,047,610,630	1,956,997,470	4.4
Purchased	8,680,220	33,649,135	287.7
Transferred * in or out	105,799,500	26,540,000	
Primary	1,830,487,160	1,936,647,345	5.8
Secondary	120,004,190	80,539,260	32.9
Total	1,950,491,350	2,017,186,605	3.4
NORTHWESTERN DIVISION			
Generated (net)			
hydro-electric	1,770,691,780	1,805,981,050	2.0
Purchased	4,534,800	6,914,800	52.5
Primary	1,491,041,854	1,571,667,810	5.4
Secondary	284,184,726	241,228,040	15.1
Total	1,775,226,580	1,812,895,850	2.1
ALL SYSTEMS			
Generated (net)			
hydro-electric	14,857,920,539	14,503,733,891	2.4
fuel-electric	413,783,440	1,758,967,050	325.0
Total generated	15,271,703,979	16,262,760,941	6.5
Purchased	4,702,724,023	4,649,684,423	1.2
Primary	18,774,603,586	19,951,316,864	6.3
Secondary	1,199,824,416	961,128,500	19.9
Total	19,974,428,002	20,912,445,364	4.7

*Net interchange between Southern Ontario System and Northeastern Division of Northern Ontario Properties

AND RESOURCES

Northern Ontario Properties

NORTHEASTERN DIVISION

NORTHWESTERN DIVISION

		Increase or decrease			Increase or decrease
1952	1953		1952	1953	
kw	kw	kw	kw	kw	kw
283,958	307,750	23,792	228,352	239,956	11,604
...
283,958	307,750	23,792	228,352	239,956	11,604
...
301,600	297,700	3,900	259,800	261,100	1,300
300	500	200	...	...	...
...	...	...	1,400	1,800	400
...
301,900	298,200	3,700	261,200	262,900	1,700

at the time of December primary peak requirements.

ACCOUNT

Disposal of Energy in Wholesale Quantities

	1952	1953	Increase or decrease
	kwh	kwh	per cent
SOUTHERN ONTARIO SYSTEM			
Primary—Municipal electrical utilities.....	8,352,545,042	9,174,994,735	9.8
—Local systems.....	21,307,774	30,995,112	45.5
—Rural power district.....	1,169,903,858	1,321,801,628	13.0
—Direct industrial customers.....	4,260,305,014	4,261,764,361	0.0
Total primary.....	13,804,061,688	14,789,555,836	7.1
Secondary—Direct industrial customers.....	763,157,300	617,283,200	19.1
Total primary and secondary.....	14,567,218,988	15,406,839,036	5.8
Losses and unaccounted for.....	1,681,491,084	1,675,523,873	0.4
Total.....	16,248,710,072	17,082,362,909	5.1
NORTHERN ONTARIO PROPERTIES			
NORTHEASTERN DIVISION			
Primary—Municipal electrical utilities.....	147,530,040	172,465,332	16.9
—Local systems.....	90,908,490	99,160,682	9.1
—Rural power district.....	66,094,564	83,999,655	27.1
—Direct industrial customers.....	1,267,277,751	1,282,869,640	1.2
Total primary.....	1,571,810,845	1,638,495,309	4.2
Secondary—Direct industrial customers.....	108,126,575	71,273,496	34.1
Total primary and secondary.....	1,679,937,420	1,709,768,805	1.8
Losses and unaccounted for.....	270,553,930	307,417,800	13.6
Total.....	1,950,491,350	2,017,186,605	3.4
NORTHWESTERN DIVISION			
Primary—Municipal electrical utilities.....	326,018,001	331,943,791	1.8
—Local systems.....	13,991,720	16,847,460	20.4
—Rural power district.....	19,791,741	24,719,681	24.9
—Direct industrial customers.....	1,021,199,694	1,063,552,130	4.1
Total primary.....	1,381,001,156	1,437,063,062	4.1
Secondary—Direct industrial customers.....	259,538,386	220,319,217	15.2
Total primary and secondary.....	1,640,539,542	1,657,382,279	1.0
Losses and unaccounted for.....	134,687,038	155,513,571	15.5
Total.....	1,775,226,580	1,812,895,850	2.1
ALL SYSTEMS			
Primary—Municipal electrical utilities.....	8,826,093,083	9,679,403,858	9.7
—Local systems.....	126,207,984	147,003,254	16.5
—Rural power district.....	1,255,790,163	1,430,520,964	13.9
—Direct industrial customers.....	6,548,782,459	6,608,186,131	0.9
Total primary.....	16,756,873,689	17,865,114,207	6.6
Secondary—Direct industrial customers.....	1,130,822,261	908,875,913	19.6
Total primary and secondary.....	17,887,695,950	18,773,990,120	5.0
Losses and unaccounted for.....	2,086,732,052	2,138,455,244	2.5
Total.....	19,974,428,002	20,912,445,364	4.7

**DEPENDABLE PEAK CAPACITY, ACTUAL STATION PEAK OUTPUT
IN DECEMBER 1953, AND TOTAL ENERGY OUTPUT
DURING 1953**

		Dependable 20-min peak capacity	Actual 20-min peak output (net)	Total energy output (net)
SOUTHERN ONTARIO SYSTEM				
River	Hydro-Electric Generating Stations	kw	kw	kwh
Niagara	*Sir Adam Beck-Niagara No. 1	317,000	342,500	2,675,675,000
	*Ontario Power	135,000	139,000	1,171,302,900
	*Toronto Power	108,000	108,000	898,025,600
Welland Canal	*DeCew Falls	122,000	122,000	854,780,000
	DeCew Falls	28,000	34,500	239,708,400
Muskoka	Ragged Rapids	7,500	7,950	35,782,050
	Big Eddy	7,100	7,950	33,164,700
	Bala No. 1 and 2	350	380	2,309,200
South Muskoka	South Falls	4,200	4,200	21,521,130
	Trethewey Falls	1,600	1,600	9,652,800
	Hanna Chute	1,200	1,300	7,502,700
Beaver	Eugenia	5,400	5,200	20,740,600
Severn	Big Chute	4,300	4,380	27,658,400
	Wasdell Falls	750	750	3,537,782
Saugeen	Walkerton	350	340	2,344,400
	Hanover	250	300	1,555,824
Magnetawan	Burks Falls	250	130	258,200
Trent	Heely Falls	11,150	12,075	69,927,420
	Ranney Falls	8,350	8,710	54,242,180
	Meyersburg	5,100	5,740	36,185,050
	Sidney	3,350	3,625	20,732,100
	Hagues Reach	3,250	3,700	20,277,120
	Seymour	2,950	3,125	19,404,000
	Frankford	2,550	2,800	16,550,400
	Sills Island	1,550	885	8,320,500
	Auburn	1,750	1,945	12,003,760
	Lakefield	1,650	1,695	8,727,340
Otonabee	Fenelon Falls	700	700	5,096,435
	Des Joachims	380,000	375,000	1,954,029,700
	Otto Holden	210,000	200,000	1,076,766,700
Madawaska	Chenau	120,000	115,000	611,319,000
	*Chats Falls (Ontario half)	62,000	75,000	380,040,150
	Stewartville	63,000	62,500	207,439,800
	Barrett Chute	42,000	39,500	188,225,000
	Calabogie	4,400	4,530	23,953,410
Mississippi	High Falls	2,450	2,900	15,175,200
	Galetta	800	890	2,876,080
Rideau	Merrickville	900	830	4,019,390
Fuel-Electric Generating Stations				
Windsor	J. Clark Keith (steam)	244,000	250,000	712,863,400
Hamilton	Hamilton Beach (steam)	10,000	12,200	449,100
	*Steel Company of Canada (steam)		2,600	10,743,700
	Westinghouse (diesel)	2,000	0	0
Thorold	Ontario Paper (steam)	15,000	16,400	4,882,700
Toronto	*Richard L. Hearn (steam)	88,000	92,000	241,940,000
	Richard L. Hearn (steam)	273,000	287,000	785,873,900
	Scarborough (steam)	20,000	22,000	2,199,200
Total		2,323,150	**	12,499,782,421

*25-cycle stations; others are 60-cycle, except as indicated.

**Because the maximum 20-minute peak outputs of the various generating stations and purchased-power sources in a system do not occur coincidentally, the sum of the power outputs should not be construed as representative of the peak load of that system.

**DEPENDABLE PEAK CAPACITY, ACTUAL STATION PEAK OUTPUT
IN DECEMBER 1953, AND TOTAL ENERGY OUTPUT
DURING 1953**

		Dependable 20-min peak capacity	Actual 20-min peak output (net)	Total energy output (net)
NORTHERN ONTARIO PROPERTIES				
NORTHEASTERN DIVISION				
River	Hydro-Electric Generating Stations	kw	kw	kwh
Abitibi	*Abitibi Canyon	181,000	181,000	1,212,531,000
Mississagi	George W. Rayner	47,000	46,500	337,260,690
Mattagami	*Wawatim	10,800	10,700	71,025,916
	*Lower Sturgeon	6,000	6,000	44,530,548
	*Sandy Falls	3,000	2,180	18,912,480
Montreal	Upper Notch	8,400	8,300	50,354,000
	Hound Chute	3,600	3,740	27,066,700
	Indian Chute	3,000	3,030	16,109,480
	Fountain Falls	2,000	2,040	16,055,540
Wanapitei	Stinson	5,700	5,610	31,971,076
	Coniston	4,100	1,950	9,938,800
	McVittie	2,200	2,350	17,733,160
Matabitchuan	Matabitchuan	8,800	8,000	41,464,760
Sturgeon	Crystal Falls	8,200	4,200	39,639,400
South	Nipissing	1,600	1,740	8,748,520
	Elliott Chute	1,400	1,460	4,798,400
	Bingham Chute	900	950	4,806,500
	Kagawong		510	4,035,450
Location	Fuel-Electric Generating Station			
Kagawong	Kagawong (diesel portion)	500	160	15,050
Total		298,200	**	1,956,997,470
NORTHWESTERN DIVISION				
River	Hydro-Electric Generating Stations			
Nipigon	Pine Portage	58,700	62,500	455,122,790
	Cameron Falls	59,100	58,000	417,454,600
	Alexander	52,300	54,000	383,575,400
Aguasabon	Aguasabon	44,000	45,000	244,758,120
Kaministikwia	Kakabeka Falls	25,000	24,500	156,580,500
English	Ear Falls	19,500	21,200	132,831,600
Albany	Rat Rapids	2,500	2,100	15,658,040
Total		261,100	**	1,805,981,050
Total generated—All systems		2,882,450	**	16,262,760,941
SOURCES OF PURCHASED POWER				
SOUTHERN ONTARIO SYSTEM				
Detroit Edison Company			196,000	174,477,000
Polymer Corporation		22,000	8,000	8,040,900
*Canadian Niagara Power Company		15,000	17,000	95,709,000
Gatineau Power Company (25 & 60 cycle)		254,000	269,600	1,444,600,000
*Beauharnois Light, Heat & Power Company		187,000	244,000	1,725,790,000
*MacLaren-Quebec Power Company (25 & 60 cycle)		119,000	121,100	766,561,200
*Ottawa Valley Power Company		82,000	75,000	382,176,350
Miscellaneous (relatively small suppliers) (25 & 60 cycle)		2,100		11,766,038
Total		681,100	**	4,609,120,488
NORTHERN ONTARIO PROPERTIES				
NORTHEASTERN DIVISION				
Abitibi Power & Paper Company (25 & 60 cycle)			10,800	5,946,400
*Quebec Hydro-Electric Commission			28,000	23,670,095
Miscellaneous (relatively small suppliers)			3,150	4,032,640
Total			**	33,649,135
NORTHWESTERN DIVISION				
Ontario-Minnesota Pulp & Paper Company		1,800	3,256	6,914,800
Total purchased—All systems		682,900	**	4,649,684,423
Total generated and purchased—All systems		3,565,350	**	20,912,445,364

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery		Frequency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
SOUTHERN ONTARIO SYSTEM			cycles	kw	'000 kwh	per cent
Acton.....	Jan.	'13	25	2,800.3	12,820	22.1
Agincourt.....	Nov.	'22	60	998.0	4,202	13.5
Ailsa Craig.....	Jan.	'16	60	211.9	779	4.3
Ajax.....	Jan.	'52	60	2,930.3	13,418	36.8
Alexandria.....	Jan.	'21	60	941.6	3,685	13.0
Alfred.....	June	'52	60	185.0	573	.....
Alliston.....	June	'18	60	973.4	4,696	11.8
Almonte.....	Feb.	'45	60	825.0	1,780	1.6
Alvinston.....	Apr.	'22	60	220.2	672	4.7
Amherstburg.....	Feb.	'19	60	2,197.3	9,628	7.8
Ancaster Twp.....	Jan.	'14	25	1,291.5	4,826	21.2
Apple Hill.....	Apr.	'21	60	64.3	234	9.9
Arkona.....	Dec.	'26	60	206.7	675	12.3
Arnprior.....	June	'29	60	2,528.0	10,238	7.7
Arthur.....	Dec.	'16	60	418.8	1,654	8.5
Athens.....	Jan.	'29	60	238.5	839	9.3
Aurora.....	Dec.	'20	60	2,482.5	11,843	10.2
Aylmer.....	Mar.	'18	25	2,447.0	10,173	8.7
Ayr.....	Jan.	'15	25	460.4	1,539	6.0
Baden.....	May	'12	60	397.5	2,688	21.2
Bala.....	Apr.	'29	60	197.7	1,163	9.5
Bancroft.....	Mar.	'50	60	217.2	542	41.1
Barrie.....	Apr.	'13	60	8,407.2	39,601	11.0
Barry's Bay.....	Jan.	'50	60	160.5	577	9.7
Bath.....	Nov.	'31	60	134.2	468	16.7
Beachville.....	Aug.	'12	25 & 60	1,083.4	5,938	14.8
Beamsville.....	Jan.	'30	25	1,098.2	4,709	11.2
Beaverton.....	Nov.	'14	60	486.5	1,889	1.7
Beeton.....	Aug.	'18	60	281.8	938	17.1
Belle River.....	Dec.	'22	60	472.9	1,795	2.4
Belleville.....	Mar.	'16	60	12,757.1	61,383	5.0
Blenheim.....	Nov.	'15	25	1,198.6	4,381	3.8
Bloomfield.....	Apr.	'19	60	241.2	976	6.1
Blyth.....	July	'24	60	389.8	1,525	3.0
Bobcaygeon.....	July	'46	60	319.0	1,398	8.9
Bolton.....	Feb.	'15	60	488.0	1,833	13.0
Bothwell.....	Sep.	'15	25	327.0	996	10.0
Bowmanville.....	Mar.	'16	60	4,230.5	18,970	3.8
Bradford.....	Oct.	'18	60	880.0	3,856	5.4
Braeside.....	June	'29	60	261.0	653	5.2

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Brampton	Nov. '11	25	6,080.3	25,273	10.1
Brantford	Feb. '14	25 & 60	26,743.4	125,474	6.1
Brantford Twp.	Oct. '15	25 & 60	5,867.2	21,951	7.9
Breechin	Jan. '15	60	87.8	262	35.7
Bridgeport	Mar. '28	60	515.4	1,905	11.3
Brigden	Jan. '18	60	176.6	526	2.5
Brighton	Mar. '16	60	882.1	3,792	6.4
Brockville	Apr. '15	60	8,954.5	41,757	6.9
Bronte	Jan. '30	60	615.2	2,036	30.3
Brussels	July '24	60	437.0	1,769	6.7
Burford	June '15	25	478.8	1,910	8.6
Burgessville	Nov. '16	25	112.2	378	10.4
Burks Falls	Jan. '50	60	293.4	874	15.0
Burlington	Jan. '30	60	4,216.7	16,463	13.5
Burlington Beach	Jan. '30	25 & 60	954.1	3,924	10.1
Caledonia	Oct. '12	25	760.4	3,077	8.0
Campbellville	Jan. '25	25	115.9	372	7.6
Cannington	Nov. '14	60	433.3	1,612	8.0
Cardinal	July '30	60	632.0	2,368	8.4
Carleton Place	May '19	60	2,482.0	10,611	4.1
Casselman	Dec. '52	60	243.0	880	.....
Cayuga	Nov. '24	25	252.5	1,091	7.1
Chatham	Feb. '15	25 & 60	13,266.9	60,966	7.7
Chatsworth	Dec. '15	60	220.1	748	2.4
Chesley	July '16	60	924.4	3,562	1.9
Chesterville	Apr. '14	60	671.4	3,176	4.4
Chippawa	Sep. '19	25	704.1	2,974	11.9
Clifford	May '24	60	233.0	998	5.2
Clinton	Mar. '14	60	1,518.0	7,138	8.3
Cobden	Dec. '34	60	384.9	1,387	18.5
Cobourg	Mar. '16	60	4,696.9	21,055	13.3
Colborne	Mar. '16	60	562.6	2,267	10.4
Coldwater	Mar. '13	60	295.5	1,081	6.0
Collingwood	Mar. '13	60	4,212.8	17,128	0.3
Comber	May '15	25	239.6	833	8.4
Cookstown	May '18	60	212.5	738	14.0
Cottam	Feb. '19	25	178.0	613	3.3
Courtright	Dec. '23	60	116.4	439	10.5
Creemore	Nov. '14	60	327.4	1,162	10.7
Dashwood	Sep. '17	60	181.0	599	5.5

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Delaware.....	Mar. '15	60	194.7	588	11.0
Delhi.....	May '38	25	1,428.0	5,206	7.1
Deseronto.....	Mar. '16	60	570.3	2,640	11.0
Dorchester.....	Dec. '14	60	247.4	967	12.0
Drayton.....	Mar. '18	60	237.3	865	15.7
Dresden.....	Apr. '15	60	795.3	3,430	8.8
Drumbo.....	Dec. '14	25	175.7	615	8.1
Dublin.....	Oct. '17	60	107.0	457	9.4
Dundalk.....	Dec. '15	60	410.7	1,309	3.5
Dundas.....	Jan. '11	25 & 60	4,589.3	18,020	8.4
Dunnville.....	June '18	25	2,622.2	10,695	11.4
Durham.....	Dec. '15	60	842.0	3,439	12.2
Dutton.....	Sep. '15	25	307.0	1,247	10.2
East York Twp.....	Dec. '23	60	29,511.3	130,781	14.9
Eganville.....	Apr. '52	60	120.1	376	.....
Elmira.....	Nov. '13	25 & 60	2,370.6	10,503	4.2
Elmvale.....	June '13	60	408.9	1,557	1.5
Elmwood.....	Apr. '18	60	154.5	422	5.1
Elora.....	Nov. '14	25	729.3	2,824	6.0
Embro.....	Jan. '15	25	262.0	994	5.3
Erieau.....	July '24	25	215.0	1,184	10.0
Erie Beach.....	July '25	25	27.6	101	2.5
Erin.....	Jan. '45	60	310.8	983	15.6
Essex.....	Feb. '19	25	1,217.7	5,018	8.5
Etobicoke Twp.....	Aug. '17	60	44,629.8	195,157	20.7
Exeter.....	June '16	60	1,576.4	6,122	5.6
Fergus.....	Nov. '14	25	2,273.0	8,927	4.4
Finch.....	Feb. '28	60	170.8	686	8.3
Flesherton.....	Dec. '15	60	311.4	750	13.6
Fonthill.....	June '26	25	748.8	3,051	12.0
Forest.....	Mar. '17	60	919.0	4,162	4.6
Forest Hill.....	Jan. '38	25 & 60	11,196.6	47,353	8.1
Frankford.....	Oct. '37	60	409.2	1,507	8.4
Galt.....	May '11	25 & 60	17,685.6	70,004	8.9
Georgetown.....	Sep. '13	25	3,381.6	14,924	19.3
Glencoe.....	Aug. '20	60	360.5	1,269	1.3
Goderich.....	Feb. '14	60	2,816.2	13,252	3.4
Grand Valley.....	Dec. '16	60	350.6	1,193	11.2
Granton.....	July '16	60	98.9	307	7.2
Gravenhurst.....	Nov. '15	60	2,142.2	9,432	11.2

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Grimsby	Jan. '30	25	1,733.6	7,772	10.9
Guelph	Dec. '10	25 & 60	20,266.4	94,690	15.8
Hagersville	Sep. '13	25	1,544.9	5,040	7.2
Hamilton	Feb. '11	25 & 60	212,706.6	1,157,214	9.5
Hanover	Sep. '16	60	2,664.7	9,576	9.7
Harriston	July '16	25 & 60	946.5	3,904	7.4
Harrow	Feb. '19	60	937.8	3,513	4.2
Hastings	June '31	60	265.4	922	0.7
Havelock	Feb. '21	60	317.0	1,352	4.2
Hawkesbury	June '52	60	1,662.7	7,448	.....
Hensall	Jan. '17	60	501.6	1,836	16.2
Hepworth	Apr. '30	60	88.4	300	4.8
Hespeler	Feb. '11	25	3,955.3	17,492	0.02
Highgate	Dec. '16	25	148.7	452	0.1
Holstein	May '16	60	82.0	309	17.7
Huntsville	Sep. '16	60	1,948.0	10,135	5.1
Ingersoll	May '11	25 & 60	4,344.2	18,170	1.7
Iroquois	Feb. '40	60	509.5	2,254	5.0
Jarvis	Feb. '24	25	290.3	1,063	1.8
Kemptville	Dec. '21	60	1,027.5	4,308	1.9
Kincardine	Mar. '21	60	1,285.6	6,205	6.6
Kingston	Dec. '17	60	26,477.2	131,304	7.8
Kingsville	Feb. '19	25	1,644.0	5,588	18.7
Kirkfield	June '20	60	56.2	197	15.3
Kitchener	Jan. '11	25 & 60	41,687.0	202,152	9.6
Lakefield	Aug. '20	60	1,234.0	5,639	12.2
Lambeth	Apr. '15	60	684.9	2,276	11.0
Lanark	Sep. '21	60	206.9	763	13.0
Lancaster	May '21	60	149.4	552	19.6
La Salle	Nov. '25	25	764.9	2,992	10.9
Leamington	Feb. '19	25	3,952.4	17,165	10.2
Lindsay	Mar. '16	60	5,915.7	27,501	12.9
Listowel	June '16	60	2,058.0	8,874	6.5
London	Jan. '11	60	53,007.2	281,274	5.6
London Twp.	Sep. '17	60	1,416.7	4,839	12.7
Long Branch	Jan. '31	60	4,883.4	20,345	8.1
L'Orignal	June '52	60	140.0	607	.....
Lucan	Feb. '15	60	490.0	1,741	5.8
Lucknow	Jan. '21	60	571.0	2,416	2.5
Lynden	Nov. '15	25	207.6	720	3.2

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Madoc.....	Mar. '16	60	662.6	2,288	6.7
Magnetawan.....	July '51	60	54.3	197	19.3
Markdale.....	Mar. '16	60	458.3	1,638	7.1
Markham.....	Apr. '20	60	974.8	3,551	19.1
Marmora.....	Jan. '21	60	465.0	1,582	20.2
Martintown.....	May '21	60	88.7	294	8.5
Maxville.....	Feb. '21	60	266.3	929	12.6
Meaford.....	Jan. '24	60	1,669.2	7,053	13.5
Merlin.....	Dec. '22	25	185.1	677	6.5
Merrickville.....	July '50	60	377.8	1,365	1.6
Merritton.....	Nov. '20	25 & 60	12,522.8	70,926	6.2
Midland.....	July '11	60	5,377.5	24,579	1.3
Mildmay.....	Apr. '30	60	377.6	1,242	2.4
Millbrook.....	Mar. '16	60	284.2	1,091	9.3
Milton.....	Apr. '13	25	2,604.4	10,011	11.0
Milverton.....	June '16	60	803.9	2,376	5.2
Mimico.....	May '12	60	5,897.7	24,683	10.4
Mitchell.....	Sep. '11	60	1,245.7	5,394	1.0
Moorefield.....	Mar. '18	60	108.4	458	16.1
Morrisburg.....	June '38	60	759.0	3,762	5.2
Mount Brydges.....	Mar. '15	60	245.2	840	8.2
Mount Forest.....	Dec. '15	60	1,667.0	4,383	7.4
Napanee.....	Mar. '16	60	2,469.1	10,451	6.2
Neustadt.....	Dec. '18	60	209.2	742	27.2
Newboro.....	Dec. '48	60	63.8	201	2.8
Newburgh.....	Mar. '16	60	146.3	576	31.6
Newbury.....	Mar. '21	25	70.5	298	7.8
Newcastle.....	Mar. '16	60	575.1	2,290	15.9
New Hamburg.....	Mar. '11	60	1,094.9	3,768	7.6
Newmarket.....	Dec. '20	60	3,244.7	14,891	11.4
New Toronto.....	Feb. '14	60	15,020.3	75,670	13.8
Niagara.....	Aug. '19	25	1,625.3	7,641	12.1
Niagara Falls.....	Dec. '15	25 & 60	15,783.6	76,265	8.4
North York Twp.....	Nov. '23	60	67,929.6	273,531	17.1
Norwich.....	May '12	25	792.5	3,058	4.6
Norwood.....	Feb. '21	60	346.5	1,519	1.0
Oakville.....	Jan. '30	60	6,046.5	23,281	25.7
Oil Springs.....	Feb. '18	60	198.3	1,043	2.1
Omeme.....	Jan. '18	60	298.4	1,031	9.0
Orangeville.....	July '16	60	1,662.4	7,038	7.2

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Fre- quency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Orono.....	Mar. '16	60	288.0	980	13.4
Oshawa.....	Mar. '16	60	36,913.7	173,144	17.3
Ottawa.....	Jan. '14	60	88,381.1	357,665	11.4
Otterville.....	Feb. '16	25	267.3	1,032	9.9
Owen Sound.....	Dec. '15	60	9,772.4	40,664	4.4
Paisley.....	Sep. '23	60	372.6	1,175	11.3
Palmerston.....	July '16	60	885.9	4,133	5.1
Paris.....	Feb. '14	25	2,665.0	11,298	1.9
Parkhill.....	May '20	60	515.5	2,124	6.4
Parry Sound.....	Aug. '46	60	1,150.4	3,870	34.0
Penetanguishene.....	July '11	60	1,704.6	8,489	14.1
Perth.....	Feb. '19	60	2,784.2	10,650	4.5
Peterborough.....	Mar. '13	60	27,159.9	132,179	9.2
Petrolia.....	May '16	60	1,327.8	5,647	0.4
Pictou.....	Apr. '19	60	2,631.0	11,498	8.4
Plattsville.....	Dec. '14	25	335.4	1,270	37.2
Point Edward.....	Nov. '16	60	2,992.0	10,552	10.0
Port Carling.....	Apr. '29	60	238.8	1,500	10.9
Port Colborne.....	Mar. '20	25	4,158.8	19,907	0.5
Port Credit.....	Aug. '12	60	3,348.0	14,364	27.0
Port Dalhousie.....	Nov. '12	25	1,565.0	8,261	19.7
Port Dover.....	Dec. '21	25	1,155.2	5,112	18.5
Port Elgin.....	Apr. '30	60	814.4	3,642	11.2
Port Hope.....	Mar. '16	60	4,891.8	23,218	7.2
Port McNicoll.....	Jan. '15	60	1,412.5	2,559	9.1
Port Perry.....	Sep. '22	60	852.5	3,099	17.8
Port Rowan.....	Nov. '26	25	202.2	733	2.5
Port Stanley.....	Apr. '12	25	749.7	4,143	5.4
Prescott.....	Dec. '13	60	2,167.5	8,761	22.4
Preston.....	Jan. '11	25 & 60	6,945.2	25,353	6.5
Priceville.....	Mar. '21	60	25.0	85	27.3
Princeton.....	Jan. '15	25	188.3	692	3.8
Queenston.....	Mar. '21	25	255.0	1,225	16.2
Renfrew.....	Dec. '44	60	2,335.1	10,202	36.0
Richmond.....	Aug. '28	60	300.2	968	18.9
Richmond Hill.....	June '25	60	1,949.9	7,089	33.4
Ridgetown.....	Dec. '15	25	789.8	2,990	7.8
Ripley.....	Jan. '21	60	203.9	719	8.2
Riverside.....	Nov. '22	60	4,182.1	15,479	5.9
Rockwood.....	Sep. '13	25	329.0	1,151	7.5

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Rodney.....	Feb. '17	25	320.8	1,224	6.4
Rosseau.....	July '31	60	49.2	205	12.9
Russell.....	Feb. '26	60	171.0	609	11.1
St. Catharines.....	Apr. '14	25 & 60	35,794.8	160,976	2.5
St. Clair Beach.....	Nov. '22	60	260.1	879	2.6
St. George.....	Sep. '15	25	286.9	1,214	20.2
St. Jacobs.....	Sep. '17	60	388.5	1,544	1.1
St. Mary's.....	May '11	60	2,399.0	10,977	0.5
St. Thomas.....	Apr. '11	25 & 60	10,523.5	54,023	5.5
Sarnia.....	Dec. '16	60	27,645.7	133,832	21.4
Scarborough Twp.....	Aug. '18	60	41,720.3	183,200	41.6
Seaforth.....	Nov. '11	60	1,273.1	5,228	10.7
Shelburne.....	July '16	60	598.8	2,417	7.5
Simcoe.....	Apr. '15	25	4,827.2	19,140	6.3
Smith's Falls.....	Sep. '18	60	5,307.5	21,099	3.8
Smithville.....	Jan. '30	25	399.7	1,599	13.8
Southampton.....	Apr. '30	60	819.0	3,659	3.9
Springfield.....	Aug. '17	25	133.0	533	7.7
Stamford Twp.....	Nov. '16	25 & 60	10,037.4	42,327	24.0
Stayner.....	Oct. '13	60	641.0	2,457	12.6
Stirling.....	Mar. '16	60	631.9	2,448	3.3
Stoney Creek.....	Jan. '30	25	1,542.4	5,676	29.3
Stouffville.....	Sep. '23	60	1,002.3	3,692	7.8
Stratford.....	Jan. '11	60	11,168.9	52,788	2.1
Strathroy.....	Dec. '14	60	2,313.0	10,376	3.9
Streetsville.....	Dec. '34	25	1,212.3	4,869	22.6
Sunderland.....	Nov. '14	60	262.8	952	7.2
Sundridge.....	June '52	60	79.0	530	.....
Sutton.....	Aug. '23	60	609.5	2,911	12.3
Swansea.....	Oct. '37	60	4,696.4	21,749	4.9
Tara.....	Feb. '18	60	239.4	811	2.4
Tavistock.....	Nov. '16	25 & 60	832.1	3,205	1.8
Tecumseh.....	Nov. '22	60	1,024.4	4,268	7.5
Teeswater.....	Dec. '20	60	378.0	1,439	0.6
Thamesford.....	Feb. '14	60	400.2	1,352	0.6
Thamesville.....	Oct. '15	25	516.8	1,767	6.3
Theford.....	May '22	60	282.4	1,118	9.9
Thornbury.....	Sep. '44	60	355.1	1,050	10.3
Thorndale.....	Mar. '14	60	185.2	716	13.4
Thornton.....	Nov. '18	60	80.2	230	8.2

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Fre- quency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Thorold.....	Jan. '21	25 & 60	7,104.6	41,363	31.8
Tilbury.....	Apr. '15	25	1,477.0	5,930	13.2
Tillsonburg.....	Aug. '11	25	3,175.5	12,724	6.4
Toronto.....	June '11	25 & 60	488,727.8	2,493,988	7.5
Toronto Twp.....	Aug. '13	60	18,900.0	73,683	33.6
Tottenham.....	Oct. '18	60	261.7	1,014	9.2
Trafalgar Twp.....	Dec. '23	60	3,145.9	11,591	29.5
Trenton.....	Mar. '16	60	9,347.2	42,530	17.9
Tweed.....	Mar. '16	60	666.2	3,245	28.7
Uxbridge.....	Sep. '22	60	890.2	3,586	10.1
Vankleek Hill.....	June '52	60	289.3	1,174	.....
Victoria Harbour.....	July '14	60	224.4	832	18.8
Walkerton.....	Apr. '30	60	1,986.4	6,878	8.3
Wallaceburg.....	Feb. '15	25 & 60	7,719.3	37,497	1.1
Wardsville.....	June '21	25	110.2	449	3.1
Warkworth.....	Oct. '23	60	201.7	617	3.8
Wasaga Beach.....	Jan. '53	60	131.0	1,826	.....
Waterdown.....	Nov. '11	25	711.4	2,786	7.4
Waterford.....	Apr. '15	25	739.5	2,925	9.4
Waterloo.....	Dec. '10	25 & 60	10,401.0	43,503	10.5
Watford.....	Sep. '17	60	742.1	2,654	10.8
Waubushene.....	Dec. '14	60	174.0	757	7.9
Welland.....	Sep. '17	25 & 60	11,434.7	57,408	5.1
Wellesley.....	Nov. '16	60	302.0	997	10.7
Wellington.....	Apr. '19	60	386.0	1,561	2.6
West Lorne.....	Jan. '17	25	794.0	2,599	1.9
Weston.....	Aug. '11	25 & 60	6,988.7	34,057	8.9
Westport.....	Nov. '31	60	257.4	920	9.9
Wheatley.....	Feb. '24	25	571.9	2,105	11.7
Whitby.....	Mar. '16	60	3,628.0	14,836	15.5
Warton.....	Apr. '30	60	823.8	3,850	11.0
Williamsburg.....	Apr. '15	60	148.2	616	1.4
Winchester.....	Jan. '14	60	689.9	2,810	3.8
Windermere.....	June '30	60	57.9	399	16.2
Windsor.....	Oct. '14	60	69,212.1	327,718	7.8
Wingham.....	Dec. '20	60	1,315.2	6,388	3.6
Woodbridge.....	Dec. '14	60	1,655.6	8,281	5.7
Woodstock.....	Jan. '11	25 & 60	13,192.5	57,986	12.8
Woodville.....	Nov. '14	60	156.8	536	9.1
Wyoming.....	Nov. '16	60	289.3	893	18.3
York Twp.....	Jan. '13	60	45,923.5	211,297	12.0
Zurich.....	Sep. '17	60	266.0	929	8.7

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES
TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Fre- quency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
NORTHERN ONTARIO PROPERTIES		cycles	kw	'000 kwh	per cent
Atikokan.....	Dec. '44	60	1,897.3	7,290	42.2
Beardmore.....	June '37	60	362.0	1,364	12.1
Cache Bay.....	Dec. '50	60	96.8	1,208	3.5
Capreol.....	May '35	60	1,077.8	4,542	9.5
Cobalt.....	Jan. '45	60	807.2	3,278	2.4
Cochrane.....	Dec. '52	60	1,650.0	8,250	.....
Cottage Cove Townsite	Nov. '40	60	155.9	662	1.6
Elk Lake Townsite....	Jan. '45	25	131.0	509	12.4
Englehart.....	Jan. '45	60	758.7	2,929	10.7
Fort William.....	Oct. '26	60	29,991.9	164,037	1.5
Geraldton.....	Feb. '37	60	948.7	3,758	0.6
Haileybury.....	Jan. '45	60	1,085.8	4,514	5.0
Hearst.....	Apr. '52	60	552.0	2,370	.....
Hudson Townsite.....	Oct. '39	60	123.5	477	1.7
Jellicoe Townsite.....	Dec. '51	60	20.0	86	96.4
Kapuskasing.....	Aug. '53	60	2,281.1	3,768	.....
Kearns Townsite.....	Dec. '38	25	151.0	560	0.7
King Kirkland Townsite	Dec. '36	25	86.2	254	12.5
Kirkland Lake.....	Jan. '45	25 & 60	6,491.0	26,185	2.5
Larder Lake Twp.....	Mar. '49	60	517.5	2,308	4.8
Latchford.....	Apr. '50	60	126.5	293	24.1
Massey.....	Dec. '52	60	156.0	563	.....
Matachewan Twp.....	Apr. '35	25	281.5	1,195	4.5
Matheson.....	Dec. '35	25	381.5	1,450	13.9
Mattawa.....	Jan. '53	60	1,008.1	3,989	.....
McGarry.....	Mar. '49	60	656.2	2,642	4.9
New Liskeard.....	Jan. '45	60	2,146.4	8,613	2.5
Nipigon Twp.....	Jan. '25	60	791.0	3,707	12.3
North Bay.....	Mar. '16	60	9,331.1	46,135	8.3
Pickle Lake Landing Townsite.....	Aug. '52	60	23.0	65	.....
Port Arthur.....	Dec. '10	60	31,407.0	148,190	0.4
Powassan.....	Mar. '16	60	356.1	1,192	14.9
Red Lake Townsite....	June '38	60	705.8	3,145	15.1
Red Rock.....	Feb. '48	60	532.5	2,184	24.4
Schreiber Twp.....	Nov. '48	60	668.8	2,978	19.9
Sioux Lookout.....	Sep. '39	60	1,172.9	5,901	23.8
South Porcupine Townsite.....	Jan. '45	25	1,520.1	6,360	5.0
Sturgeon Falls.....	Apr. '51	60	1,333.1	5,226	10.3
Sudbury.....	Feb. '30	60	21,868.4	95,722	8.4
Terrace Bay.....	Jan. '48	60	1,010.5	4,947	6.9
Thornloe.....	Jan. '45	60	27.0	130	5.0
Timmins.....	Jan. '45	25	8,721.3	37,148	3.9
Webbwood.....	Dec. '52	60	60.0	292	.....

APPENDIX II—FINANCIAL

Schedules in Support of Financial Statements Presented in Section II

For each of the Southern Ontario System and the Northern Ontario Properties a balance sheet and a statement of operations are given in Section II of the Report. Also in Section II are statements of the Commission's funded debt and of advances from the Province of Ontario.

Appendix II includes detailed schedules in support of the summaries given in Section II. Schedules relating to the Southern Ontario System are given first and those relating to Northern Ontario Properties follow in the same order. For convenient reference the following table is reproduced from Section II.

FINANCIAL STATEMENTS

Relating to

Properties Operated by The Hydro-Electric Power Commission of
Ontario on Behalf of the Co-operating Municipalities and
Rural Power District of the Southern Ontario System

and to

Northern Ontario Properties Held and Operated by the Commission
in Trust for the Province of Ontario and on Behalf of
Municipalities Supplied with Power at Cost

Description	Southern Ontario System	Northern Ontario Properties
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Statement of Operations.....	26	27
Schedules supporting the Balance Sheet:		
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Statement of Cost of Power.....	300	328
Statement of Sinking Fund Payments by Municipalities.....	317	330

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
SOUTHERN ONTARIO SYSTEM

FIXED ASSETS—December 31, 1953

Power System

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
	\$	\$	\$	\$
GENERATING STATIONS				
Niagara Division				
Niagara River				
Sir Adam Beck-Niagara				
No. 1	9,944.25	47,880,023.93	28,774,867.64	76,664,835.82
Sir Adam Beck-Niagara				
No. 2	191,351,311.71			191,351,311.71
Ontario Power		7,281,151.42	14,495,691.90	21,776,843.32
Toronto Power		3,823,379.60	7,632,354.00	11,455,733.60
Niagara Weir		416,326.62		416,326.62
Welland Canal				
DeCew Falls	501,576.86	10,139,595.12	16,195,416.18	26,836,588.16
Ottawa River				
Des Joachims	274,321.77	13,639,398.00	58,908,144.81	72,821,864.58
Otto Holden		16,137,920.00	41,267,386.92	57,405,306.92
Chenau		2,285,160.00	27,006,279.03	29,291,439.03
Chats Falls	503,370.31	817,229.09	6,615,872.64	7,936,472.04
Power sites, etc.	786,242.82			786,242.82
Long Lake Diversion		258,058.00	637,759.31	895,817.31
Ogoki Diversion		3,300,539.39	1,744,149.83	5,044,689.22
Fuel-electric generating stations				
J. Clark Keith		190,000.00	43,560,475.11	43,750,475.11
Richard L. Hearn		750,000.00	46,074,264.75	46,824,264.75
Other steam-electric		163,745.87	6,102,653.96	6,266,399.83
Diesel			456,342.99	456,342.99
Georgian Bay Division				
Muskoka River				
Ragged Rapids	815.19	70,889.49	1,266,337.65	1,338,042.33
Big Eddy	2,707.26	170,434.74	1,127,375.03	1,300,517.03
Bala No. 1 and 2		70,651.90	43,379.34	114,031.24
Land and water rights		17,224.03		17,224.03
South Muskoka River				
South Falls		17,934.95	575,294.30	593,229.25
Trethewey Falls		51,549.45	307,533.09	359,082.54
Hanna Chute		33,469.30	205,348.15	238,817.45
Hollow Lake Dam		18,425.43	29,540.16	47,965.59
Beaver River				
Eugenia	402.80	142,538.73	1,170,789.02	1,313,730.55
Severn River				
Big Chute		178,040.48	604,668.13	782,708.61
Wasdell Falls		13,752.32	192,669.00	206,421.32
Saugeen River				
Walkerton	140.03	100,286.31	104,883.80	205,310.14
Hanover		10,000.00		10,000.00
Magnetawan River				
Burks Falls		24,134.00	156,975.32	181,109.32
Sauble River				
Lands and rights		4,200.00		4,200.00
Credit River				
Caledon		7,675.00	27,795.02	35,470.02
Miscellaneous		3.00		3.00
Eastern Ontario Division				
Trent River				
Heely Falls			1,233,653.30	1,233,653.30

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

FIXED ASSETS—December 31, 1953

Power System

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
GENERATING STATIONS— <i>Cont.</i>	\$	\$	\$	\$
Ranney Falls		18,596.20	1,418,765.09	1,437,361.29
Meyersburg			837,756.98	837,756.98
Sidney			249,850.46	249,850.46
Hagues Reach			572,466.30	572,466.30
Seymour			333,568.05	333,568.05
Frankford	1.83		280,628.15	280,629.98
Sills Island	1.96	38,679.36	282,721.87	321,403.19
Crow River		1,000.00		1,000.00
Otonabee River				
Auburn		31,400.00	302,546.29	333,946.29
Lakefield		19,620.05	217,774.45	237,394.50
Fenelon Falls		60,000.00	112,848.63	172,848.63
Madawaska River				
Stewartville	684.87	840,221.08	10,973,537.79	11,814,443.74
Barrett Chute	257.04	702,098.49	4,008,493.28	4,710,848.81
Calabogie		79,825.74	734,745.46	814,571.20
Bark Lake Dam		610,948.81	791,960.09	1,402,908.90
Kaminiskeg Dam		24,980.86	1,795.46	26,776.32
Undeveloped sites	241,081.66	800,000.00		1,041,081.66
Mississippi River				
High Falls	2,207.56	13,154.84	722,109.91	737,472.31
Galetta		20,000.00	147,987.41	167,987.41
Rideau River				
Merrickville		7,547.51	149,237.43	156,784.94
Miscellaneous		39.00		39.00
Intangible		2,347,464.75		2,347,464.75
	193,675,067.92	113,629,312.86	328,656,693.48	635,961,074.26
TRANSFORMER STATIONS				
Niagara Division	7,213,789.33		146,662,035.03	153,875,824.36
Georgian Bay Division	570,842.90		6,560,231.26	7,131,074.16
Eastern Ontario Division	1,312,630.54		17,248,342.88	18,560,973.42
	9,097,262.77		170,470,609.17	179,567,871.94
TRANSMISSION LINES				
Niagara Division	10,223,265.28	18,134,721.00	95,626,196.03	123,984,182.31
Georgian Bay Division	430,282.35	231,109.00	6,040,585.82	6,751,977.17
Eastern Ontario Division	1,394,447.47	1,699,244.00	16,969,065.57	20,062,757.04
	12,097,995.10	20,065,074.00	118,635,847.42	150,798,916.52
LOCAL SYSTEMS				
Niagara Division	6,291.73		115,746.09	122,037.82
Georgian Bay Division	4,420.63		319,081.23	323,501.86
Eastern Ontario Division	87,130.40		393,156.34	480,286.74
	97,842.76		827,983.66	925,826.42
COMMUNICATIONS				
Southern Ontario System	5,793.36		10,403,300.28	10,409,093.64
Total power system	214,973,961.91	133,694,386.86	628,994,434.01	977,662,782.78

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
ADMINISTRATIVE AND SERVICE BUILDINGS
AND EQUIPMENT

FIXED ASSETS—December 31, 1953

Property	Under construction	In service		Total
		Non- depreciable	Depreciable	
BUILDINGS	\$	\$	\$	\$
Administrative				
Head Office.....	2,252,032.18	462,561.54	3,957,876.33	6,672,470.05
210 Bloor Street West.....		42,000.00	264,993.95	306,993.95
Service				
Toronto				
8 Strachan Avenue....	19,492.48		208,316.78	227,809.26
1379 Bloor Street West	12.00		50,000.00	50,012.00
A. W. Manby Service				
Centre.....	482,234.35	257,009.30	7,212,227.09	7,951,470.74
Fort William Helicopter				
Hangar.....			26,200.00	26,200.00
Regions and rural.....	290,426.89		827,370.28	1,117,797.17
Total buildings.....	3,044,197.90	761,570.84	12,546,984.43	16,352,753.17
OFFICE AND SERVICE EQUIPMENT				
Office				
Toronto.....			1,185,677.43	1,185,677.43
Regions.....			859,777.01	859,777.01
Service				
Toronto.....			1,845,498.11	1,845,498.11
Regions.....			786,471.92	786,471.92
Total office and service equipment.....			4,677,424.47	4,677,424.47
Total administrative and ser- vice buildings and equipment	3,044,197.90	761,570.84	17,224,408.90	21,030,177.64

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
SOUTHERN ONTARIO SYSTEM

FIXED ASSETS—Summary, December 31, 1953

	Power system	Administrative and service buildings and equipment	Rural Power District	Total
	\$	\$	\$	\$
Under construction.....	214,973,961.91	3,044,197.90	4,923,856.25	222,942,016.06
In service				
Depreciable.....	628,994,434.01	17,224,408.90	137,323,511.31	783,542,354.22
Non-depreciable.....	133,694,386.86	761,570.84	37,559.97	134,493,517.67
	762,688,820.87	17,985,979.74	137,361,071.28	918,035,871.89
Total fixed assets.....	977,662,782.78	21,030,177.64	142,284,927.53	1,140,977,887.95

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

FREQUENCY STANDARDIZATION ACCOUNT—December 31, 1953

Balance at debit at January 1, 1953.....	\$14,707,584.79
Expenditures for frequency standardization work completed	
during year.....	\$42,121,095.04
Less industrial customers' contributions.....	3,055,553.45
	<hr/>
	\$39,065,538.59
Less portion of cost charged to cost of power for the year.....	8,476,371.57
	<hr/>
	30,589,167.02
Balance at debit at December 31, 1953.....	\$45,296,751.81

THE HYDRO-ELECTRIC POWER
SOUTHERN ONTARIO

STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Power

Property	Balance at Jan. 1, 1953	Expenditures during 1953
	\$	\$
GENERATING STATIONS		
Niagara Division		
Niagara River		
Sir Adam Beck-Niagara No. 1.....	76,633,141.78	9,944.04
Sir Adam Beck-Niagara No. 2.....	92,164,769.94	98,686,541.77
Ontario Power.....	21,756,993.30	38,700.00
Toronto Power.....	11,455,733.60	
Niagara Weir.....	416,326.62	
Welland Canal		
DeCew Falls.....	26,381,959.59	582,189.27
Ottawa River		
Des Joachims.....	73,196,790.74	431,305.84
Otto Holden.....	55,270,395.95	1,763,778.97
Chenaux.....	29,137,329.00	154,110.03
Chats Falls.....	7,443,575.93	493,813.64
Ogoki Diversion.....	5,052,947.50	
Fuel-electric generating stations		
J. Clark Keith.....	36,827,625.37	6,465,478.11
Richard L. Hearn.....	41,823,607.52	5,104,471.23
Other steam-electric.....	6,274,367.02	12,584.81
Diesel.....	456,342.99	
Other properties.....	1,683,831.05	0.96
Georgian Bay Division		
Muskoka River		
Ragged Rapids.....	1,333,846.47	4,195.86
Big Eddy.....	1,291,888.72	8,628.31
South Muskoka River		
South Falls.....	584,167.25	9,062.00
Trethewey Falls.....	359,082.54	
Beaver River		
Eugenia.....	1,313,327.75	402.80
Severn River		
Big Chute.....	801,119.83	588.78
Other properties.....	1,112,896.29	151.05
Eastern Ontario Division		
Trent River		
Heely Falls.....	1,231,329.10	2,324.20
Ranney Falls.....	1,437,009.50	351.79
Meyersburg.....	837,756.98	
Hagues Reach.....	572,466.30	
Seymour.....	341,122.14	5,371.91
Sills Island.....	321,401.23	1.96
Otonabee River		
Auburn.....	333,801.43	344.86
Madawaska River		
Stewartville.....	11,613,122.55	201,471.19
Barrett Chute.....	4,710,624.26	224.55
Calabogie.....	772,185.42	49,385.78
Bark Lake Dam.....	1,413,856.86	
Undeveloped sites.....	1,041,379.87	
Mississippi River		
High Falls.....	729,890.46	7,581.85
Intangible.....	2,217,761.29	129,703.46
Other properties.....	1,302,265.28	40,900.90
	521,648,039.42	114,203,609.92

COMMISSION OF ONTARIO
SYSTEM

During Year Ended December 31, 1953

System

Adjustment for equipment relocated and reclassified	Sales and retirements during 1953	Balance at Dec. 31, 1953
\$	\$	\$
71,626.00	49,876.00	76,664,835.82
500,000.00		191,351,311.71
	18,849.98	21,776,843.32
		11,455,733.60
		416,326.62
70,335.00	57,225.70	26,836,588.16
806,132.00	100.00	72,821,864.58
806,132.00	435,000.00	57,405,306.92
	917.53	29,291,439.03
8,258.28		7,936,472.04
		5,044,689.22
457,371.63		43,750,475.11
103,814.00		46,824,264.75
	20,552.00	6,266,399.83
	1,771.88	456,342.99
		1,682,060.13
		1,338,042.33
		1,300,517.03
		593,229.25
		359,082.54
		1,313,730.55
	19,000.00	782,708.61
52,495.23		1,060,552.11
		1,233,653.30
		1,437,361.29
		837,756.98
		572,466.30
526.00	12,400.00	333,568.05
		321,403.19
	200.00	333,946.29
	150.00	11,814,443.74
	7,000.00	4,710,848.81
	3,300.00	814,571.20
7,647.96	298.21	1,402,908.90
		1,041,081.66
		737,472.31
		2,347,464.75
36,354.94	13,500.00	1,293,311.24
749,566.22	640,141.30	635,961,074.26

THE HYDRO-ELECTRIC POWER

SOUTHERN ONTARIO

STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Power

Property	Balance at Jan. 1, 1953	Expenditures during 1953
TRANSFORMER STATIONS	\$	\$
Niagara Division.....	140,652,216.28	15,134,939.36
Georgian Bay Division.....	5,963,244.72	1,023,915.09
Eastern Ontario Division.....	15,428,486.89	3,924,142.03
	162,043,947.89	20,082,996.48
TRANSMISSION LINES		
Niagara Division.....	115,819,810.63	8,583,476.60
Georgian Bay Division.....	6,300,692.70	448,000.74
Eastern Ontario Division.....	15,771,583.39	4,374,737.29
	137,892,086.72	13,406,214.63
LOCAL SYSTEMS		
Niagara Division.....	94,611.25	27,426.57
Georgian Bay Division.....	198,417.78	16,507.08
Eastern Ontario Division.....	127,619.15	352,667.59
	420,648.18	396,601.24
COMMUNICATIONS		
Southern Ontario System.....	9,658,382.46	785,946.05
Total power system.....	831,663,104.67	148,875,368.32

COMMISSION OF ONTARIO

SYSTEM

During Year Ended December 31, 1953

System

Adjustment for equipment relocated and reclassified	Sales and retirements during 1953	Balance at Dec. 31, 1953
\$	\$	\$
873,436.00	1,037,895.28	153,875,824.36
335,060.00	191,145.65	7,131,074.16
114,527.00	677,128.50	18,560,973.42
652,903.00	1,906,169.43	179,567,871.94
26,303.29	392,801.63	123,984,182.31
40,642.00	37,358.27	6,751,977.17
24,113.00	107,676.64	20,062,757.04
38,451.71	537,836.54	150,798,916.52
108,627.00	50.00	122,037.82
		323,501.86
		480,286.74
108,627.00	50.00	925,826.42
95,321.40	130,556.27	10,409,093.64
339,063.33	3,214,753.54	977,662,782.78

THE HYDRO-ELECTRIC POWER

SOUTHERN ONTARIO

STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Administrative and Service

Property	Balance at Jan. 1, 1953	Expenditures during 1953
	\$	\$
BUILDINGS		
Administrative		
Head Office.....	5,115,021.02	1,591,334.64
210 Bloor Street West.....	306,993.95	
Service		
Toronto		
8 Strachan Avenue.....	212,936.97	14,872.29
1379 Bloor Street West.....	50,000.00	12.00
A. W. Manby Service Centre.....	7,773,703.58	258,870.51
Hamilton.....	550,000.00	
Region, rural, and other properties.....	14,784.92	395,967.97
Total buildings.....	14,023,440.44	2,261,057.41
OFFICE AND SERVICE EQUIPMENT		
Office		
Toronto.....	1,090,617.07	69,513.74
Regions.....	753,434.54	107,207.27
Service		
Toronto.....	1,715,790.21	159,747.28
Regions.....	447,908.22	127,613.35
Total office and service equipment.....	4,007,750.04	464,081.64
Total administrative and service buildings and equipment.....	18,031,190.48	2,725,139.05
Rural Power District.....	125,022,870.88	20,002,634.55
Total.....	974,717,166.03	171,603,141.92

Adjustment for equipment relocated and reclassified—

Excess equipment rentals Sir Adam Beck-Niagara Generating Station No. 2 credited to miscellaneous reserves.....	\$500,000.00
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COMMISSION OF ONTARIO

SYSTEM

During Year Ended December 31, 1953

Buildings and Equipment

Adjustment for equipment relocated and reclassified	Sales and retirements during 1953	Balance at Dec. 31, 1953
\$	\$	\$
26,324.49	7,561.12	6,672,470.05
		306,993.95
		227,809.26
		50,012.00
	81,103.35	7,951,470.74
	550,000.00	
733,244.28		1,143,997.17
706,919.79	638,664.47	16,352,753.17
26,324.49	777.87	1,185,677.43
	864.80	859,777.01
	30,039.38	1,845,498.11
211,290.37	340.02	786,471.92
237,614.86	32,022.07	4,677,424.47
944,534.65	670,686.54	21,030,177.64
783,597.98	1,956,979.92	142,284,927.53
500,000.00	5,842,420.00	1,140,977,887.95

Summary of Sales and Retirements during 1953

Proceeds from sales.....	3,113,556.62
Charged to accumulated depreciation.....	3,010,182.72
Credited to contingencies reserve.....	336,584.02
Charged to operations	
—Amortization of temporary buildings—	
Head Office.....	7,561.12
A. W. Manby Service Centre.....	46,425.35
—Sundry retirements.....	1,278.21
Total.....	5,842,420.00

THE HYDRO-ELECTRIC POWER

SOUTHERN ONTARIO

STATEMENTS OF RESERVES—

Depreciation

	Power system	Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balance at January 1, 1953...	98,015,437.49	14,486,781.94	2,242,314.09	114,744,533.52
Add:				
Interest at 4% per annum on reserve balances.....	3,925,897.09	579,650.29	34,992.38	4,540,539.76
Provision in the year				
—direct.....	7,966,970.53	1,320,349.67		9,287,320.20
—indirect.....		5,352.96	507,508.01	512,860.97
Salvage recovery on fixed assets retired less removal costs.....	146,006.50	818,350.23	1,952.08	670,391.65
Adjustments re transfer of equipment.....	45,253.73	86,762.73	41,509.00	
Sub-total.....	109,807,552.34	17,123,722.36	2,824,371.40	129,755,646.10
Deduct:				
Cost of fixed assets retired less proceeds from sales..	1,232,805.64	1,739,175.01	38,202.07	3,010,182.72
Balance at December 31, 1953.	108,574,746.70	15,384,547.35	2,786,169.33	126,745,463.38

Exchange Premium Received on Funded Debt (Net)

Exchange premium and discount on funded debt issued in United States funds	
Balance at January 1, 1953 (premium).....	\$5,491,506.43
Less portion transferred to contingencies and obsolescence reserve on 3% January 1943 issue, matured January, 1953.....	486,250.00
	\$5,005,256.43
Deduct discount on funded debt issued in 1953—	
3% November 1, 1953 issue.....	\$1,172,117.98
Less portion applicable to Northern Ontario Properties.....	100,097.66
	\$1,072,020.32
3¼% February 1, 1953 issue.....	1,048,319.01
	2,120,339.33
Balance at December 31, 1953.....	\$2,884,917.10

COMMISSION OF ONTARIO

SYSTEM

December 31, 1953

Contingencies and Obsolescence

	Power system	Rural Power District	Total
	\$	\$	\$
Balance at January 1, 1953.....	32,185,976.55	1,644,609.58	33,830,586.13
Add:			
Interest at 4% per annum on reserve balances	1,284,129.91	65,784.39	1,349,914.30
Provision in the year			
—direct.....	2,537,827.99	2,820,349.67	5,358,177.66
—indirect.....		5,352.96	5,352.96
Exchange premium on retirement of debentures payable in U.S. funds.....	601,875.00		601,875.00
Sub-total.....	36,609,809.45	4,536,096.60	41,145,906.05
Deduct:			
Contingencies met with during year less sundry credits.....	59,258.96	526,002.55	585,261.51
Balance at December 31, 1953.....	36,550,550.49	4,010,094.05	40,560,644.54

Stabilization of Rates

	\$
Balance at January 1, 1953.....	23,941,642.75
Interest at 4% per annum on reserve balance.....	957,665.71
Withdrawal in the year.....	809,190.00
Balance at December 31, 1953.....	24,090,118.46

NOTE: The balance at December 31, 1953 of \$24,090,118.46 includes special accounts of \$536,948.09 and \$1,563,449.84 pertaining to municipalities of the Georgian Bay and Eastern Ontario Divisions respectively.

STATEMENTS OF RESERVES—Continued
Rural Power District—Rates Suspense Account

	\$
Balance at January 1, 1953.....	2,608,592.46
Interest at 4% per annum on reserve balance.....	104,343.70
Excess of revenue from sale of power for the year ended December 31, 1953....	78,455.08
Adjustments made during the year.....	10,190.78
Balance at December 31, 1953.....	2,801,582.02

Sinking Fund

	Power system and Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$
Balance at January 1, 1953.....	143,064,396.14	1,716,099.49	144,780,495.63
Interest at 4% per annum on reserve balance..	5,722,575.84	68,643.98	5,791,219.82
Provision in the year—direct.....	8,361,785.26	.....	8,361,785.26
—indirect.....	5,636.66	124,741.65	130,378.31
Balance at December 31, 1953.....	157,154,393.90	1,909,485.12	159,063,879.02

SOUTHERN ONTARIO SYSTEM

**Cost of Power, Amount Billed at Interim Rates, and Balance Credited
or Charged to Municipalities for the year ended
December 31, 1953**

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Acton.....	44.50	2,783.8	12,820.2	17,959.79	41,484.19	14,120.02
Agincourt.....	42.50	779.2	4,202.0	5,886.57	11,611.64	3,952.27
Ailsa Craig.....	52.20	196.9	779.2	1,091.58	2,934.20	998.72
Alexandria.....	42.00	835.0	3,685.1	5,162.45	12,807.37	2,151.06
Alliston.....	42.00	932.1	4,696.0	6,578.62	14,301.49	2,401.22
Almonte.....	34.50	685.6	1,780.3	2,494.02	10,515.85	1,766.19
Alvinston.....	52.20	178.7	672.5	942.10	2,662.99	906.40
Amherstburg.....	52.00	1,804.1	9,628.5	13,488.55	26,884.70	9,150.77
Ancaster Twp.....	42.50	1,001.9	4,826.0	6,760.73	14,930.32	5,081.85
Apple Hill.....	41.50	57.5	234.0	327.81	881.94	148.12
Arkona.....	50.00	190.1	675.3	946.03	2,832.87	964.23
Arnprior.....	40.75	2,376.0	10,238.2	14,342.67	36,443.48	6,120.88
Arthur.....	40.50	376.6	1,654.4	2,317.65	5,778.29	970.17
Athens.....	39.50	196.8	839.2	1,175.63	3,018.55	506.98
Aurora.....	42.00	2,185.0	11,842.6	16,590.27	32,560.88	11,082.78
Aylmer.....	47.50	1,991.8	10,173.0	14,251.33	29,681.81	10,102.83
Ayr.....	44.50	409.8	1,538.5	2,155.28	6,106.84	2,078.59
Baden.....	42.50	583.9	2,688.4	3,766.17	8,701.28	2,961.66
Bancroft.....	52.20	172.8	542.0	759.29	2,650.44	445.15
Barrie.....	35.50	7,626.7	39,601.4	55,477.52	117,018.77	19,647.36
Barry's Bay.....	47.00	150.7	577.3	808.74	2,311.46	388.22
Bath.....	38.75	116.6	467.8	655.34	1,788.43	300.37
Beachville.....	46.25	1,115.3	5,937.6	8,317.97	16,620.20	5,657.04
Beamsville.....	43.25	943.3	4,708.8	6,596.55	14,057.06	4,784.62
Beaverton.....	42.75	452.3	1,888.7	2,645.88	6,939.77	1,165.18
Beeton.....	47.25	211.3	938.0	1,314.04	3,242.04	544.34
Belle River.....	52.20	411.1	1,794.8	2,514.33	6,126.21	2,085.19
Belleville.....	35.25	11,625.5	61,383.2	85,991.60	178,313.85	29,948.78
Blenheim.....	48.25	920.6	4,380.8	6,137.05	13,718.78	4,669.48
Bloomfield.....	43.25	254.4	975.6	1,366.72	3,902.03	655.37
Blyth.....	47.50	365.0	1,525.2	2,136.65	5,439.23	1,851.36
Bobcaygeon.....	39.25	337.0	1,398.0	1,958.46	4,938.21	868.16
Bolton.....	46.25	395.6	1,832.6	2,567.29	5,895.23	2,006.57
Bothwell.....	52.20	245.4	996.0	1,395.29	3,656.95	1,244.72
Bowmanville.....	38.25	4,084.4	18,969.7	26,574.60	62,647.21	10,521.94
Bradford.....	40.00	802.2	3,855.5	5,401.16	12,308.40	2,066.57
Braeside.....	38.25	222.6	653.1	914.93	3,414.28	573.45
Brampton.....	41.75	5,481.1	25,272.8	35,404.61	81,679.37	27,801.29
Brantford.....	40.75	25,906.2	125,473.6	175,775.69	386,054.26	131,401.69
Brantford Twp.....	39.75	4,511.2	21,951.2	30,751.39	67,225.91	22,881.75

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges								
Divisional costs, including transformation, transmission, and distribution	Frequency standard-ization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$	\$	\$
38,517.01	13,919.00	2,783.80		824.61	129,608.42	123,878.73	5,729.69	46.56
5,962.26	3,896.00	779.20		230.81	32,318.75	33,116.70	797.95	41.48
3,447.22	984.50	196.90		58.33	9,711.45	10,276.85	565.40	49.32
13,532.94		835.00	1,670.00	247.34	33,066.16	35,068.25	2,002.09	39.60
14,882.50		932.10	1,864.20	276.11	37,507.84	39,147.85	1,640.01	40.24
10,382.34		685.60	1,371.20	203.09	24,675.89	23,652.89	1,023.00	35.99
3,152.18	893.50	178.70		52.93	8,788.80	9,328.98	540.18	49.18
33,290.99	9,020.50	1,804.10		534.41	94,174.02	93,815.36	358.66	52.70
8,797.75	5,009.50	1,001.90		296.78	41,878.83	42,579.68	700.85	41.80
859.59		57.50	115.00	17.03	2,176.99	2,386.23	209.24	37.86
3,019.26	950.50	190.10		56.31	8,959.30	9,505.41	546.11	47.13
44,891.63		2,376.00	4,752.00	703.81	100,126.47	96,820.64	3,305.83	42.14
6,383.30		376.60	753.20	111.56	15,184.37	15,250.60	66.23	40.32
2,748.25		196.80	393.60	58.30	7,310.91	7,773.26	462.35	37.15
18,544.86	10,925.00	2,185.00		647.24	92,536.03	91,771.40	764.63	42.35
28,774.36	9,959.00	1,991.80		590.01	95,351.14	94,611.29	739.85	47.87
5,291.03	2,049.00	409.80		121.39	18,211.93	18,237.57	25.64	44.44
6,436.55	2,919.50	583.90		172.96	25,542.02	24,813.94	728.08	43.74
5,284.28		172.80	345.60	51.19	9,017.55	9,017.55		56.99
46,103.71		7,626.70	15,253.40	2,259.17	232,879.83	270,748.73	37,868.90	30.53
3,621.28		150.70	301.40	44.64	7,023.64	7,082.09	58.45	46.61
1,799.67		116.60	233.20	34.54	4,461.75	4,519.21	57.46	38.27
12,390.01	5,576.50	1,115.30		330.37	50,007.39	51,582.22	1,574.83	44.84
11,171.66	4,716.50	943.30		279.42	42,549.11	40,798.43	1,750.68	45.11
8,735.95		452.30	904.60	133.98	19,168.46	19,334.04	165.58	42.38
4,192.60		211.30	422.60	62.59	9,144.31	9,984.30	839.99	43.28
7,728.19	2,055.50	411.10		121.78	21,042.30	21,460.27	417.97	51.19
89,211.64		11,625.50	23,251.00	3,443.69	375,284.06	409,798.87	34,514.81	32.28
15,121.76	4,603.00	920.60		272.70	45,443.37	44,418.54	1,024.83	49.36
5,057.48		254.40	508.80	75.36	10,802.56	11,003.14	200.58	42.46
5,581.36	1,825.00	365.00		108.12	17,306.72	17,336.30	29.58	47.41
5,825.65		337.00	674.00	99.83	13,353.31	13,227.57	125.74	39.62
6,133.88	1,978.00	395.60		117.18	19,093.75	18,295.71	798.04	48.27
4,969.12	1,227.00	245.40		72.69	12,811.17	12,811.17		54.35
45,178.24		4,084.40	8,168.80	1,209.87	142,047.46	156,228.30	14,180.84	34.78
9,750.48		802.20	1,604.40	237.63	28,962.04	32,089.32	3,127.28	36.10
4,001.81		222.60	445.20	65.94	8,747.81	8,513.81	234.00	39.30
49,568.24	27,405.50	5,481.10		1,623.60	228,963.71	228,837.30	126.41	41.77
141,908.52	129,531.00	25,906.20		7,673.89	998,251.25	1,053,677.63	57,426.38	38.53
26,940.14	22,556.00	4,511.20		1,336.30	176,202.69	179,320.85	3,118.16	39.06

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Brechin	40.75	76.5	262.2	367.31	1,173.76	197.07
Bridgeport	41.50	425.4	1,904.8	2,668.43	6,339.31	2,157.72
Brigden	51.00	146.7	525.5	736.17	2,186.12	744.09
Brighton	41.75	767.2	3,792.0	5,312.20	11,767.44	1,976.41
Brockville	39.50	8,568.7	41,757.3	58,497.72	131,428.14	22,074.07
Bronte	43.00	449.8	2,035.8	2,851.95	6,702.92	2,281.48
Brussels	48.75	386.6	1,769.3	2,478.61	5,761.11	1,960.92
Burford	43.00	464.7	1,910.1	2,675.86	6,924.96	2,357.06
Burgessville	44.25	112.0	378.4	530.10	1,669.02	568.09
Burks Falls	49.50	214.2	873.8	1,224.10	3,286.54	551.81
Burlington	42.25	3,257.4	16,463.0	23,062.98	48,541.78	16,522.22
Caledonia	43.75	628.6	3,076.8	4,310.28	9,367.40	3,188.39
Campbellville	46.00	92.0	371.9	520.99	1,370.98	466.64
Cannington	43.75	396.6	1,611.9	2,258.11	6,085.15	1,021.69
Cardinal	40.50	581.8	2,367.7	3,316.91	8,923.75	1,498.79
Carleton Place	38.50	2,420.8	10,610.9	14,864.79	37,130.63	6,236.29
Casselman	42.00	223.1	880.0	1,232.79	3,421.94	574.73
Cayuga	46.00	228.8	1,090.8	1,528.10	3,409.58	1,160.52
Chatham	43.25	12,223.7	60,966.0	85,407.15	182,157.61	62,001.18
Chatsworth	45.50	186.1	747.7	1,047.45	2,855.39	479.42
Chesley	40.25	905.1	3,561.7	4,989.58	13,887.22	2,331.65
Chesterville	39.25	708.2	3,175.8	4,448.97	10,862.49	1,824.41
Chippawa	41.00	571.4	2,973.6	4,165.71	7,488.12	2,898.26
Clifford	48.50	218.5	997.5	1,397.40	3,256.09	1,108.28
Clinton	43.50	1,348.7	7,137.5	9,998.91	20,098.33	6,840.89
Cobden	31.25	346.1	1,387.2	1,943.33	5,308.54	891.60
Cobourg	44.50	4,224.4	21,054.7	29,495.49	64,794.55	10,882.60
Colborne	42.75	478.3	2,267.4	3,176.40	7,336.24	1,232.16
Coldwater	46.75	242.4	1,080.7	1,513.95	3,719.22	624.45
Collingwood	39.75	3,945.6	17,128.3	23,995.00	60,538.53	10,164.37
Comber	52.20	215.4	832.6	1,166.39	3,209.89	1,092.55
Cookstown	45.75	191.4	738.4	1,034.42	2,936.71	493.07
Cottam	49.00	151.4	613.3	859.17	2,256.16	767.93
Courtright	48.25	101.5	438.9	614.85	1,512.55	514.83
Creemore	41.50	276.8	1,162.2	1,628.12	4,247.03	713.07
Dashwood	50.50	181.3	598.6	838.58	2,701.73	919.59
Delaware	46.75	155.0	587.6	823.17	2,309.81	786.19
Delhi	43.50	1,152.3	5,206.4	7,293.64	17,171.58	5,844.71
Deseronto	45.25	556.6	2,640.4	3,698.93	8,537.22	1,433.87
Dorchester	47.00	213.7	967.2	1,354.95	3,184.56	1,083.93

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges								
Divisional costs, including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$	\$	\$
1,273.31		76.50	153.00	22.66	2,957.61	3,116.68	159.07	38.66
4,101.33	2,127.00	425.40		126.01	17,945.20	17,652.71	292.49	42.18
2,713.66	733.50	146.70		43.46	7,303.70	7,481.67	177.97	49.79
11,873.51		767.20	1,534.40	227.26	30,389.62	32,029.20	1,639.58	39.61
59,066.81		8,568.70	17,137.40	2,538.21	265,036.25	338,462.97	73,426.72	30.93
4,775.46	2,249.00	449.80		133.24	19,443.85	19,342.48	101.37	43.23
6,363.67	1,933.00	386.60		114.52	18,998.43	18,848.36	150.07	49.14
5,475.08	2,323.50	464.70		137.65	20,358.81	19,980.67	378.14	43.81
1,435.65	560.00	112.00		33.18	4,908.04	4,956.37	48.33	43.82
5,394.11		214.20	428.40	63.45	10,305.81	10,604.93	299.12	48.11
29,568.61	16,287.00	3,257.40		964.90	138,204.89	137,626.55	578.34	42.43
7,074.27	3,143.00	628.60		186.20	27,898.14	27,501.23	396.91	44.38
1,234.87	460.00	92.00		27.25	4,172.73	4,230.48	57.75	45.36
8,097.64		396.60	793.20	117.48	17,183.47	17,352.69	169.22	43.33
9,420.67		581.80	1,163.60	172.34	22,750.66	23,561.20	810.54	39.10
35,899.49		2,420.80	4,841.60	717.09	92,427.49	93,199.49	772.00	38.18
3,962.61		223.10	446.20	66.09	9,035.06	9,371.95	336.89	40.50
2,970.20	1,144.00	228.80		67.78	10,508.98	10,522.52	13.54	45.93
105,298.85	61,118.50	12,223.70		3,620.88	511,827.87	528,674.65	16,846.78	41.87
3,488.27		186.10	372.20	55.13	7,739.56	8,468.28	728.72	41.59
13,352.67		905.10	1,810.20	268.11	33,924.13	36,428.58	2,504.45	37.48
12,238.48		708.20	1,416.40	209.78	28,875.93	27,795.54	1,080.39	40.77
3,602.79	2,857.00	571.40		169.26	21,752.54	23,428.75	1,676.21	38.07
3,199.65	1,092.50	218.50		64.72	10,337.14	10,594.82	257.68	47.31
15,511.80	6,743.50	1,348.70		399.51	60,941.64	58,666.99	2,274.65	45.19
3,319.19		346.10	692.20	102.52	11,219.08	10,814.31	404.77	32.42
81,371.89		4,224.40	8,448.80	1,251.34	183,571.47	187,986.52	4,415.05	43.46
8,368.23		478.30	956.60	141.68	19,776.41	20,448.37	671.96	41.35
4,322.50		242.40	484.80	71.80	10,009.52	11,330.24	1,320.72	41.29
55,404.26		3,945.60	7,891.20	1,168.76	147,325.32	156,837.27	9,511.95	37.34
4,348.39	1,077.00	215.40		63.81	11,173.43	11,241.69	68.26	51.87
3,490.55		191.40	382.80	56.70	7,820.05	8,754.26	934.21	40.86
2,417.73	757.00	151.40		44.85	7,254.24	7,416.54	162.30	47.91
1,573.95	507.50	101.50		30.07	4,855.25	4,896.55	41.30	47.83
4,471.95		276.80	553.60	81.99	10,865.36	11,487.16	621.80	39.25
3,403.43	906.50	181.30		53.70	9,004.83	9,156.07	151.24	49.67
2,179.13	775.00	155.00		45.91	7,074.21	7,245.07	170.86	45.64
14,320.12	5,761.50	1,152.30		341.33	51,885.18	50,123.95	1,761.23	45.03
10,444.08		556.60	1,113.20	164.88	23,722.38	25,186.52	1,464.14	42.62
2,980.13	1,068.50	213.70		63.30	9,949.07	10,041.55	92.48	46.56

SOUTHERN ONTARIO
COST OF POWER, AMOUNT BILLED AT INTERIM RATES,
For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Drayton	45.75	211.3	864.9	1,211.64	3,148.79	1,071.76
Dresden	47.50	753.3	3,429.6	4,804.52	11,225.68	3,820.90
Drumbo	48.50	165.2	615.4	862.11	2,461.81	837.93
Dublin	48.50	91.7	457.3	640.63	1,366.51	465.12
Dundalk	41.50	356.3	1,309.2	1,834.06	5,466.82	917.87
Dundas	36.75	4,133.5	18,019.9	25,244.04	61,597.43	20,965.98
Dunnville	47.00	2,395.2	10,694.6	14,982.04	35,693.28	12,148.96
Durham	40.25	743.8	3,438.8	4,817.41	11,412.35	1,916.12
Dutton	52.20	263.3	1,246.8	1,746.64	3,923.70	1,335.51
East York Twp	38.25	23,963.5	130,781.2	183,211.12	357,104.14	121,547.91
Eganville	45.00	87.9	375.8	526.46	1,348.22	226.44
Elmira	42.50	2,354.9	10,503.3	14,714.05	35,092.73	11,944.55
Elmvale	46.25	377.2	1,556.6	2,180.64	5,787.49	971.72
Elmwood	43.50	138.3	421.8	590.90	2,121.98	356.28
Elora	44.75	732.5	2,823.9	3,956.00	10,915.72	3,715.39
Embro	44.25	235.9	994.4	1,393.05	3,515.38	1,196.53
Erieau	50.25	254.7	1,184.0	1,658.66	3,795.54	1,291.89
Erie Beach	50.75	32.1	101.0	141.49	478.35	162.82
Erin	43.50	229.8	982.8	1,376.80	3,525.89	591.99
Essex	51.00	1,007.4	5,017.7	7,029.29	15,012.28	5,109.74
Etobicoke Twp	40.50	35,076.4	195,156.6	273,394.48	522,708.60	177,914.87
Exeter	47.25	1,358.5	6,122.4	8,576.86	20,244.37	6,890.60
Fergus	42.00	2,216.6	8,926.8	12,505.54	33,031.78	11,243.06
Finch	38.25	166.6	685.6	960.46	2,555.34	429.18
Flesherton	34.75	198.3	750.2	1,050.95	3,047.60	510.85
Fontbill	41.25	599.8	3,051.2	4,274.42	8,938.22	3,042.31
Forest	52.20	810.6	4,161.6	5,829.98	12,079.56	4,111.53
Forest Hill	38.75	8,782.3	47,353.4	66,337.28	130,873.86	44,545.67
Frankford	32.25	355.9	1,507.2	2,111.43	4,995.01	916.84
Galt	37.25	16,654.7	70,004.3	98,068.88	248,188.38	84,476.14
Georgetown	45.25	2,852.3	14,923.8	20,906.72	42,504.98	14,467.47
Glencoe	48.75	298.9	1,268.9	1,777.60	4,454.21	1,516.08
Goderich	48.75	2,617.8	13,252.1	18,564.84	39,010.46	13,278.03
Grand Valley	50.50	323.9	1,193.1	1,671.41	4,969.70	834.41
Granton	46.75	85.8	307.3	430.50	1,278.59	435.20
Gravenhurst	38.00	1,942.7	9,431.6	13,212.71	29,807.43	5,004.64
Grimsby	46.25	1,435.0	7,771.6	10,887.22	21,384.37	7,278.62
Guelph	38.25	18,457.0	94,690.3	132,651.45	275,046.26	93,617.78
Hagersville	41.50	1,388.8	5,040.4	7,061.09	20,695.90	7,044.29
Hamilton	38.75	195,009.3	1,157,214.2	1,621,139.02	2,996,029.07	989,128.16

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges								
Divisional costs, including transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$	\$	\$
2,950.84	1,056.50	211.30	.....	62.59	9,713.42	9,667.73	45.69	45.97
12,300.50	3,766.50	753.30	.....	223.14	36,894.54	35,780.14	1,114.40	48.98
2,746.53	826.00	165.20	.....	48.94	7,948.52	8,011.79	63.27	48.11
1,378.77	458.50	91.70	.....	27.16	4,428.39	4,445.43	17.04	48.29
7,010.77	.....	356.30	712.60	105.54	14,978.76	14,785.06	193.70	42.04
20,496.29	20,667.50	4,133.50	.....	1,224.42	154,329.16	151,904.88	2,424.28	37.34
35,714.68	11,976.00	2,395.20	.....	709.50	113,619.66	111,421.63	2,198.03	47.44
11,792.61	.....	743.80	1,487.60	220.32	29,415.01	29,939.62	524.61	39.55
5,078.43	1,316.50	263.30	.....	77.99	13,742.07	13,742.07	.....	54.06
117,726.17	119,817.50	23,963.50	.....	7,098.43	930,468.77	916,603.53	13,865.24	38.83
1,641.09	.....	87.90	175.80	26.04	3,680.35	3,889.67	209.32	41.87
24,087.61	11,774.50	2,354.90	.....	697.56	100,665.90	100,085.02	580.88	42.75
6,553.18	.....	377.20	754.40	111.73	15,227.56	17,445.88	2,218.32	40.37
2,510.89	.....	138.30	276.60	40.97	5,482.72	6,017.85	535.13	39.64
10,814.75	3,662.50	732.50	.....	216.98	34,013.84	32,779.01	1,234.83	46.44
3,045.93	1,179.50	235.90	.....	69.88	10,636.17	10,438.56	197.61	45.09
4,747.72	1,273.50	254.70	.....	75.45	13,097.46	12,796.56	300.90	51.42
602.26	160.50	32.10	.....	9.51	1,587.03	1,626.52	39.49	49.44
4,304.18	.....	229.80	459.60	68.07	9,637.13	9,995.93	358.80	41.94
17,579.42	5,037.00	1,007.40	.....	298.41	51,073.54	51,374.81	301.27	50.70
214,927.66	175,382.00	35,076.40	.....	10,390.27	1,409,794.28	1,420,594.51	10,800.23	40.19
21,386.93	6,792.50	1,358.50	.....	402.41	65,652.17	64,187.53	1,464.64	48.33
24,705.80	11,083.00	2,216.60	.....	656.60	95,442.38	93,098.25	2,344.13	43.06
2,449.27	.....	166.60	333.20	49.35	6,277.00	6,370.84	93.84	37.68
1,882.49	.....	198.30	396.60	58.74	6,352.33	6,891.19	538.86	32.03
5,473.96	2,999.00	599.80	.....	177.67	25,505.38	24,739.67	765.71	42.52
15,188.09	4,053.00	810.60	.....	240.11	42,312.87	42,312.87	.....	54.46
45,048.85	43,911.50	8,782.30	.....	2,601.48	342,100.94	340,312.17	1,788.77	38.96
5,081.90	.....	355.90	711.80	105.42	12,854.70	11,477.77	1,376.93	36.12
86,056.39	83,273.50	16,654.70	.....	4,933.43	621,651.42	620,386.00	1,265.42	37.33
38,010.32	14,261.50	2,852.30	.....	844.90	133,848.19	128,206.70	5,641.49	46.93
5,101.19	1,494.50	298.90	.....	88.54	14,731.02	14,572.17	158.85	49.28
44,364.88	13,089.00	2,617.80	.....	775.44	131,700.45	127,616.91	4,083.54	50.31
8,050.86	.....	323.90	647.80	95.95	15,298.43	16,356.50	1,058.07	47.23
1,178.77	429.00	85.80	.....	25.42	3,863.28	4,010.37	147.09	45.03
20,010.76	.....	1,942.70	3,885.40	575.46	66,668.30	73,824.17	7,155.87	34.32
18,637.04	7,175.00	1,435.00	.....	425.07	67,222.32	66,367.97	854.35	46.84
93,694.24	92,285.00	18,457.00	.....	5,467.30	711,219.03	705,980.56	5,238.47	38.53
15,041.26	6,944.00	1,388.80	.....	411.39	58,586.73	57,633.47	953.26	42.19
849,621.59	975,046.50	195,009.30	.....	57,765.34	7,593,738.98	7,556,608.37	37,130.61	38.94

SOUTHERN ONTARIO
COST OF POWER, AMOUNT BILLED AT INTERIM RATES,
For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Hanover.....	37.00	2,430.5	9,575.9	13,414.86	37,291.90	6,261.28
Harriston.....	45.50	910.0	3,904.3	5,469.53	13,560.82	4,615.71
Harrow.....	49.75	831.7	3,513.4	4,921.91	12,394.00	4,218.56
Hastings.....	43.25	227.3	921.6	1,291.07	3,486.37	585.55
Havelock.....	45.75	293.3	1,351.7	1,893.59	4,498.68	755.58
Hensall.....	46.00	459.3	1,835.8	2,571.77	6,844.49	2,329.67
Hespeler.....	39.50	3,893.4	17,491.5	24,503.81	58,019.46	19,748.14
Highgate.....	52.20	138.7	452.0	633.21	2,066.91	703.52
Holstein.....	43.25	67.0	308.8	432.60	1,028.00	172.60
Huntsville.....	42.75	1,921.2	10,134.6	14,197.54	29,477.55	4,949.26
Ingersoll.....	42.75	4,225.4	18,170.0	25,454.32	62,966.92	21,432.12
Iroquois.....	42.50	470.5	2,253.6	3,157.06	7,216.61	1,212.07
Jarvis.....	48.00	234.4	1,063.0	1,489.15	3,493.03	1,188.93
Kemptville.....	39.25	974.3	4,307.8	6,034.79	14,943.98	2,509.92
Kincardine.....	44.50	1,275.5	6,205.4	8,693.13	19,570.38	3,285.85
Kingston.....	34.25	24,668.6	131,303.8	183,943.24	378,371.09	63,549.48
Kingsville.....	48.25	1,202.7	5,587.5	7,827.52	17,922.64	6,100.35
Kirkfield.....	42.75	56.1	197.4	276.54	860.76	144.52
Kitchener.....	39.25	40,006.5	202,152.0	283,194.33	596,176.96	202,921.38
Lakefield.....	34.50	1,019.3	5,639.2	7,899.94	14,357.63	2,625.85
Lambeth.....	45.00	524.3	2,276.0	3,188.44	7,813.12	2,659.36
Lanark.....	39.50	190.2	762.7	1,068.46	2,917.32	489.98
Lancaster.....	42.25	123.4	551.5	772.60	1,892.73	317.89
La Salle.....	52.20	650.6	2,991.9	4,191.35	9,695.24	3,299.98
Leamington.....	48.25	3,263.0	17,164.6	24,045.85	48,625.23	16,550.62
Lindsay.....	42.25	5,520.8	27,501.5	38,526.80	84,678.95	14,222.29
Listowel.....	46.50	2,074.0	8,873.6	12,431.01	30,906.75	10,519.76
London.....	41.25	49,265.4	281,274.1	394,036.31	734,153.11	249,884.46
London Twp.....	44.75	1,083.5	4,838.8	6,778.67	16,146.32	5,495.74
Long Branch.....	40.25	3,921.6	20,345.4	28,501.83	58,439.69	19,891.18
L'Orignal.....	40.50	66.7	294.0	411.86	1,023.06	171.83
Lucan.....	48.25	387.6	1,740.8	2,438.68	5,776.02	1,965.99
Lucknow.....	43.75	502.7	2,416.0	3,384.57	7,713.08	1,295.02
Lynden.....	45.50	188.3	720.0	1,008.65	2,806.05	955.10
Madoc.....	42.50	541.8	2,287.8	3,204.97	8,310.22	1,395.75
Magnetawan.....	48.75	47.7	196.8	275.70	731.87	122.88
Markdale.....	42.00	376.7	1,638.4	2,295.23	5,779.82	970.43
Markham.....	45.00	770.0	3,551.4	4,975.15	11,474.54	3,905.60
Marmora.....	46.00	347.2	1,581.6	2,215.66	5,325.41	894.43
Martintown.....	39.75	86.4	294.5	412.56	1,325.22	222.58

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges								
Divisional costs, including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$	\$	\$
27,717.26		2,430.50	4,861.00	719.96	82,974.76	89,927.87	6,953.11	34.14
11,674.78	4,550.00	910.00		269.56	41,050.40	41,406.50	356.10	45.11
14,269.06	4,158.50	831.70		246.36	41,040.09	41,374.58	334.49	49.34
4,535.21		227.30	454.60	67.33	9,738.23	9,828.55	90.32	42.84
6,709.07		293.30	586.60	86.88	13,650.50	13,419.61	230.89	46.54
6,530.62	2,296.50	459.30		136.05	21,168.40	21,127.43	40.97	46.09
25,253.99	19,467.00	3,893.40		1,153.30	152,039.10	153,788.98	1,749.88	39.05
2,963.61	693.50	138.70		41.09	7,240.54	7,240.54		53.77
1,175.68		67.00	134.00	19.85	2,761.73	2,896.67	134.94	41.22
31,399.52		1,921.20	3,842.40	569.09	78,671.76	82,132.36	3,460.60	40.95
42,664.52	21,127.00	4,225.40		1,251.64	179,121.92	180,636.92	1,515.00	42.39
9,328.95		470.50	941.00	139.37	20,583.56	19,994.46	589.10	43.75
3,178.16	1,172.00	234.40		69.43	10,825.10	11,252.80	427.70	46.18
15,537.39		974.30	1,948.60	288.61	38,340.39	38,242.59	97.80	39.35
27,613.55		1,275.50	2,551.00	377.83	58,265.24	56,758.22	1,507.02	45.68
163,113.95		24,668.60	49,337.20	7,307.29	771,616.45	844,898.11	73,281.66	31.28
15,893.58	6,013.50	1,202.70		356.26	55,316.55	58,032.27	2,715.72	45.99
1,050.53		56.10	112.20	16.62	2,292.87	2,397.19	104.32	40.87
213,112.05	200,032.50	40,006.50		11,850.66	1,547,294.38	1,570,255.09	22,960.71	38.68
8,567.82		1,019.30	2,038.60	301.94	32,733.88	35,166.69	2,432.81	32.11
5,718.46	2,621.50	524.30		155.31	22,680.49	23,593.85	913.36	43.26
3,067.43		190.20	380.40	56.34	7,409.33	7,512.88	103.55	38.96
1,768.73		123.40	246.80	36.55	4,665.10	5,213.28	548.18	37.80
11,974.02	3,253.00	650.60		192.72	33,256.91	33,958.69	701.78	51.12
48,406.42	16,315.00	3,263.00		966.56	158,172.68	157,437.33	735.35	48.47
77,916.78		5,520.80	11,041.60	1,635.36	211,459.38	233,254.49	21,795.11	38.30
27,052.12	10,370.00	2,074.00		614.36	93,968.00	96,440.20	2,472.20	45.31
330,842.97	246,327.00	49,265.40		14,593.32	2,019,102.57	2,032,198.42	13,095.85	40.98
11,226.42	5,417.50	1,083.50		320.95	46,469.10	48,488.48	2,019.38	42.89
26,831.28	19,608.00	3,921.60		1,161.65	158,355.23	157,842.39	512.84	40.38
683.38		66.70	133.40	19.76	2,243.19	2,699.99	456.80	33.63
7,469.45	1,938.00	387.60		114.81	20,090.55	18,703.32	1,387.23	51.83
10,358.75		502.70	1,005.40	148.91	22,397.63	21,992.40	405.23	44.55
2,398.55	941.50	188.30		55.78	8,353.93	8,566.49	212.56	44.37
10,166.78		541.80	1,083.60	160.49	22,696.41	23,028.27	331.86	41.89
1,252.94		47.70	95.40	14.13	2,349.82	2,326.18	23.64	49.26
6,557.07		376.70	753.40	111.59	15,337.44	15,822.45	485.01	40.72
9,935.58	3,850.00	770.00		228.09	35,138.96	34,650.37	488.59	45.64
7,723.34		347.20	694.40	102.85	15,914.49	15,969.68	55.19	45.84
1,102.44		86.40	172.80	25.59	3,001.99	3,434.73	432.74	34.75

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Maxville.....	42.00	256.7	929.0	1,301.43	3,937.31	661.29
Meaford.....	40.75	1,598.9	7,053.2	9,880.81	24,532.41	4,118.97
Merlin.....	50.00	167.7	677.1	948.55	2,499.07	850.61
Merriekville.....	30.25	324.9	1,364.5	1,911.53	4,399.48	836.98
Merritton.....	39.50	12,663.8	70,925.9	99,359.95	188,715.98	64,233.46
Midland.....	37.00	5,480.7	24,579.4	34,433.23	84,092.04	14,118.99
Mildmay.....	40.50	288.4	1,242.5	1,740.62	4,425.01	742.96
Millbrook.....	46.50	242.1	1,091.4	1,528.94	3,713.37	623.68
Milton.....	41.75	2,406.0	10,011.0	14,024.39	35,854.22	12,203.74
Milverton.....	47.00	720.1	2,375.7	3,328.11	10,730.93	3,652.50
Mimico.....	38.25	4,751.9	24,683.2	34,578.64	70,812.83	24,102.64
Mitchell.....	43.25	1,133.0	5,393.9	7,556.30	16,883.97	5,746.81
Moorefield.....	44.50	111.5	458.1	641.75	1,661.57	565.55
Morrisburg.....	41.75	736.5	3,761.8	5,269.90	11,296.56	1,897.32
Mount Brydges.....	48.25	199.7	840.0	1,176.75	2,975.93	1,012.92
Mount Forest.....	40.50	1,038.2	4,383.5	6,140.84	15,929.42	2,674.54
Napanee.....	41.50	2,184.4	10,451.2	14,641.06	33,504.69	5,627.29
Neustadt.....	38.50	191.6	741.6	1,038.91	2,939.78	493.59
Newboro.....	39.25	56.3	200.8	281.30	863.54	145.04
Newburgh.....	41.25	136.2	575.8	806.64	2,089.06	350.87
Newbury.....	52.20	69.2	297.6	416.91	1,031.22	351.00
Newcastle.....	42.75	541.0	2,290.1	3,208.20	8,297.95	1,393.69
New Hamburg.....	43.75	989.2	3,768.2	5,278.86	14,741.06	5,017.43
Newmarket.....	39.50	3,095.9	14,891.4	20,861.33	46,135.11	15,703.06
New Toronto.....	40.25	14,202.9	75,669.9	106,005.81	211,651.65	72,040.09
Niagara.....	38.00	1,456.6	7,641.3	10,704.68	19,584.78	7,388.18
Niagara Falls.....	33.75	14,332.4	76,265.0	106,839.48	198,064.26	72,696.95
North York Twp.....	39.75	51,915.0	273,531.1	383,189.16	773,637.46	263,323.79
Norwich.....	46.25	693.8	3,058.4	4,284.51	10,339.01	3,519.10
Norwood.....	44.00	313.5	1,519.1	2,128.10	4,808.52	807.62
Oakville.....	43.75	4,738.3	23,281.5	32,615.01	70,610.16	24,033.65
Oil Springs.....	52.20	176.2	1,042.6	1,460.58	2,625.73	893.72
Omeme.....	42.25	232.4	1,031.3	1,444.75	3,564.59	598.69
Orangeville.....	44.25	1,464.1	7,038.0	9,859.52	22,464.13	3,771.71
Orono.....	42.00	237.3	980.0	1,372.88	3,639.75	611.32
Oshawa.....	37.00	33,504.3	173,143.9	242,556.94	513,894.52	86,311.37
Ottawa.....	31.00	72,451.0	357,665.3	501,052.59	1,093,778.88	186,643.06
Otterville.....	46.25	216.9	1,032.0	1,445.73	3,232.24	1,100.16
Owen Sound.....	36.25	9,215.6	40,663.7	56,965.70	141,397.74	23,740.57
Paisley.....	45.00	285.5	1,174.8	1,645.77	4,380.51	735.48

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges								
Divisional costs, including transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$	\$	\$
4,707.24		256.70	513.40	76.04	10,426.61	10,780.35	353.74	40.62
27,770.86		1,598.90	3,197.80	473.62	65,177.77	65,154.79	22.98	40.76
2,945.45	838.50	167.70		49.68	8,299.56	8,385.41	85.85	49.49
4,051.87		324.90	649.80	96.24	10,971.20	9,828.98	1,142.22	33.77
58,507.66	63,319.00	12,663.80		3,751.25	490,551.10	500,221.72	9,670.62	38.74
59,566.23		5,480.70	10,961.40	1,623.48	188,353.27	202,784.97	14,431.70	34.37
4,336.60		288.40	576.80	85.43	11,042.22	11,681.54	639.32	38.29
4,489.05		242.10	484.20	71.71	10,184.65	11,258.06	1,073.41	42.07
24,595.66	12,030.00	2,406.00		712.70	101,826.71	100,449.10	1,377.61	42.32
11,260.99	3,600.50	720.10		213.31	33,506.44	33,845.88	339.44	46.53
24,624.60	23,759.50	4,751.90		1,407.60	184,037.71	181,761.75	2,275.96	38.73
13,118.32	5,665.00	1,133.00		335.62	50,439.02	49,000.09	1,438.93	44.52
1,429.52	557.50	111.50		33.03	5,000.42	4,961.73	38.69	44.85
12,928.38		736.50	1,473.00	218.16	30,873.82	30,748.15	125.67	41.92
2,834.89	998.50	199.70		59.15	9,257.84	9,635.52	377.68	46.36
16,481.28		1,038.20	2,076.40	307.53	40,495.41	42,046.07	1,550.66	39.01
38,200.50		2,184.40	4,368.80	647.06	90,436.20	90,651.91	215.71	41.40
2,695.96		191.60	383.20	56.76	7,033.40	7,375.94	342.54	36.71
699.72		56.30	112.60	16.68	1,949.98	2,209.43	259.45	34.64
2,305.22		136.20	272.40	40.34	5,455.93	5,618.23	162.30	40.06
1,374.76	346.00	69.20		20.50	3,609.59	3,609.59		52.20
10,010.69		541.00	1,082.00	160.25	22,529.78	23,126.33	596.55	41.64
12,988.51	4,946.00	989.20		293.02	44,254.08	43,277.84	976.24	44.74
22,342.91	15,479.50	3,095.90		917.06	124,534.87	122,289.02	2,245.85	40.23
80,589.67	71,014.50	14,202.90		4,207.16	559,711.78	571,668.05	11,956.27	39.41
6,840.71	7,283.00	1,456.60		431.47	53,689.42	55,349.21	1,659.79	36.86
36,212.39	71,662.00	14,332.40		4,245.52	504,053.00	483,718.76	20,334.24	35.17
316,901.55	259,575.00	51,915.00		15,378.18	2,063,920.14	2,065,035.11	1,114.97	39.76
9,493.88	3,469.00	693.80		205.52	32,004.82	32,089.79	84.97	46.13
6,666.52		313.50	627.00	92.86	14,190.12	13,791.81	398.31	45.26
31,551.19	23,691.50	4,738.30		1,403.57	188,643.38	207,301.35	18,657.97	39.81
3,108.62	881.00	176.20		52.19	9,198.04	9,198.04		52.20
3,872.61		232.40	464.80	68.84	9,317.08	9,818.89	501.81	40.09
30,839.61		1,464.10	2,928.20	433.69	65,904.56	64,787.90	1,116.66	45.01
3,818.42		237.30	474.60	70.29	9,275.36	9,968.00	692.64	39.09
298,351.49		33,504.30	67,008.60	9,924.59	1,117,534.61	1,239,659.10	122,124.49	33.35
350,455.63		72,451.00	144,902.00	21,461.32	2,080,940.48	2,245,912.45	164,971.97	28.72
2,705.88	1,084.50	216.90		64.25	9,849.66	10,029.69	180.03	45.41
92,876.92		9,215.60	18,431.20	2,729.83	308,495.16	334,065.19	25,570.03	33.48
5,893.09		285.50	571.00	84.57	12,453.92	12,845.60	391.68	43.62

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Palmerston.....	44.25	844.2	4,133.1	5,790.05	12,580.27	4,281.96
Paris.....	39.00	2,465.7	11,297.5	15,826.64	36,743.87	12,506.55
Parkhill.....	50.50	481.9	2,123.7	2,975.09	7,181.27	2,444.30
Parry Sound.....	40.50	956.6	3,869.6	5,420.91	14,677.40	2,464.32
Penetanguishene.....	39.00	1,685.3	8,489.3	11,892.64	25,858.08	4,341.55
Perth.....	37.50	2,625.3	10,649.6	14,919.00	40,267.29	6,763.11
Peterborough.....	35.50	24,537.2	132,178.9	185,169.15	375,963.14	63,210.97
Petrolia.....	50.25	1,112.6	5,646.8	7,910.59	16,579.97	5,643.34
Pictou.....	40.25	2,289.9	11,498.1	16,107.66	35,122.87	5,899.08
Plattsville.....	46.25	321.3	1,269.6	1,778.58	4,788.01	1,629.70
Point Edward.....	45.00	2,779.2	10,552.1	14,782.41	41,415.65	14,096.69
Port Colborne.....	41.25	3,680.4	19,906.6	27,887.12	54,845.33	18,667.76
Port Credit.....	42.50	2,529.2	14,364.0	20,122.50	37,690.14	12,828.63
Port Dalhousie.....	43.00	1,316.0	8,260.6	11,572.26	19,611.04	6,675.03
Port Dover.....	44.75	1,002.9	5,111.8	7,161.11	14,945.22	5,086.92
Port Elgin.....	44.50	803.5	3,642.0	5,102.07	12,328.34	2,069.92
Port Hope.....	43.25	4,515.9	23,217.9	32,525.90	69,265.62	11,633.54
Port McNicoll.....	36.75	1,211.3	2,559.3	3,585.32	18,585.34	3,120.46
Port Perry.....	41.50	674.8	3,099.1	4,341.52	10,353.66	1,738.37
Port Rowan.....	48.75	178.3	733.2	1,027.14	2,657.03	904.38
Port Stanley.....	47.25	834.2	4,143.0	5,803.92	12,431.25	4,231.24
Prescott.....	41.25	1,928.6	8,761.2	12,273.55	29,581.19	4,968.32
Preston.....	36.75	6,394.6	25,353.2	35,517.25	95,292.34	32,434.76
Priceville.....	50.25	23.1	84.7	118.66	354.43	59.51
Princeton.....	47.00	158.1	692.4	969.98	2,356.01	801.92
Queenston.....	39.00	237.3	1,225.2	1,716.38	3,109.78	1,203.64
Renfrew.....	37.00	2,384.2	10,201.7	14,291.54	36,569.26	6,142.00
Richmond.....	36.75	243.7	968.0	1,356.07	3,737.91	627.80
Richmond Hill.....	45.50	1,523.9	7,089.4	9,931.53	22,709.16	7,729.54
Ridgetown.....	52.00	664.1	2,990.1	4,188.83	9,896.42	3,368.45
Ripley.....	44.50	174.4	718.8	1,006.97	2,675.87	449.28
Riverside.....	48.25	3,219.9	15,478.9	21,684.36	47,982.96	16,332.01
Rockwood.....	47.75	261.2	1,150.6	1,611.87	3,892.49	1,324.86
Rodney.....	52.20	269.7	1,224.4	1,715.26	4,019.07	1,367.98
Rosseau.....	41.75	54.0	205.0	287.18	828.54	139.11
Russell.....	37.25	150.8	609.4	853.71	2,313.00	388.48
St. Catharines.....	38.25	33,326.0	160,976.1	225,511.09	496,624.13	169,036.48
St. Clair Beach.....	48.75	213.6	878.7	1,230.97	3,183.07	1,083.42
St. George.....	45.25	270.8	1,213.8	1,700.41	4,035.46	1,373.55
St. Jacobs.....	42.00	370.2	1,544.3	2,163.41	5,516.72	1,877.73

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges								
Divisional costs, including transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$	\$	\$
8,655.08	4,221.00	844.20	.....	250.07	36,622.63	37,356.96	734.33	43.38
15,956.21	12,328.50	2,465.70	.....	730.39	96,557.86	96,162.93	394.93	39.16
7,962.44	2,409.50	481.90	.....	142.75	23,597.25	24,336.36	739.11	48.97
16,234.92	.....	956.60	1,913.20	283.36	38,124.31	38,740.61	616.30	39.85
25,071.93	.....	1,685.30	3,370.60	499.22	65,978.12	65,725.39	252.73	39.15
32,798.08	.....	2,625.30	5,250.60	777.66	92,899.84	98,449.96	5,550.12	35.39
203,679.90	.....	24,537.20	49,074.40	7,268.37	810,754.33	871,070.87	60,316.54	33.04
19,853.93	5,563.00	1,112.60	.....	329.57	56,993.00	55,908.57	1,084.43	51.23
31,205.12	.....	2,289.90	4,579.80	678.31	86,723.14	92,167.12	5,443.98	37.87
4,107.49	1,606.50	321.30	.....	95.17	14,326.75	14,862.03	535.28	44.59
33,012.54	13,896.00	2,779.20	.....	823.25	120,805.74	125,064.37	4,258.63	43.47
26,719.25	18,402.00	3,680.40	.....	1,090.20	151,292.06	151,816.49	524.43	41.11
19,240.47	12,646.00	2,529.20	.....	749.20	105,806.14	107,492.76	1,686.62	41.83
11,143.82	6,580.00	1,316.00	.....	389.82	57,287.97	56,586.92	701.05	43.53
12,090.55	5,014.50	1,002.90	.....	297.08	45,598.28	44,877.88	720.40	45.47
16,570.76	.....	803.50	1,607.00	238.01	35,505.60	35,756.86	251.26	44.19
82,879.84	.....	4,515.90	9,031.80	1,337.69	193,126.69	195,313.03	2,186.34	42.77
16,094.29	.....	1,211.30	2,422.60	358.81	40,532.92	44,513.43	3,980.51	33.46
12,066.99	.....	674.80	1,349.60	199.89	28,025.63	28,002.80	22.83	41.53
2,986.49	891.50	178.30	.....	52.82	8,697.66	8,691.71	5.95	48.78
12,552.45	4,171.00	834.20	.....	247.11	40,271.17	39,414.75	856.42	48.28
24,889.62	.....	1,928.60	3,857.20	571.29	70,355.37	79,554.39	9,199.02	36.48
35,147.87	31,973.00	6,394.60	.....	1,894.20	238,654.02	235,000.62	3,653.40	37.32
518.46	.....	23.10	46.20	6.84	1,034.80	1,161.64	126.84	44.80
2,469.19	790.50	158.10	.....	46.83	7,592.53	7,430.71	161.82	48.02
1,224.94	1,186.50	237.30	.....	70.29	8,748.83	9,255.34	506.51	36.87
30,607.21	.....	2,384.20	4,768.40	706.24	85,932.05	88,213.86	2,281.81	36.04
2,210.76	.....	243.70	487.40	72.19	7,761.03	8,954.12	1,193.09	31.85
18,724.61	7,619.50	1,523.90	.....	451.41	68,689.65	69,338.20	648.55	45.07
12,938.27	3,320.50	664.10	.....	196.72	34,573.29	34,531.03	42.26	52.06
3,727.25	.....	174.40	348.80	51.66	7,736.63	7,759.28	22.65	44.36
45,426.48	16,099.50	3,219.90	.....	953.79	151,699.00	155,360.17	3,661.17	47.11
3,871.12	1,306.00	261.20	.....	77.37	12,344.82	12,472.27	127.45	47.26
5,278.36	1,348.50	269.70	.....	79.89	14,078.76	14,078.76	.....	52.20
948.61	.....	54.00	108.00	16.00	2,165.44	2,255.87	90.43	40.10
1,484.33	.....	150.80	301.60	44.67	4,933.39	5,616.97	683.58	32.71
150,748.82	166,630.00	33,326.00	.....	9,871.77	1,251,748.29	1,274,719.49	22,971.20	37.56
3,201.02	1,068.00	213.60	.....	63.27	10,043.35	10,415.03	371.68	47.02
3,080.78	1,354.00	270.80	.....	80.22	11,895.22	12,252.17	356.95	43.93
5,278.47	1,851.00	370.20	.....	109.66	17,167.19	15,548.05	1,619.14	46.37

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
St. Mary's.....	40.25	2,267.8	10,977.0	15,377.66	33,794.76	11,502.76
St. Thomas.....	41.50	9,467.8	54,023.3	75,681.13	141,089.18	48,022.67
Sarnia.....	44.50	21,733.7	133,831.6	187,484.42	323,875.65	110,237.89
Scarborough Twp.....	39.75	33,694.4	183,199.9	256,644.37	502,114.03	170,905.08
Seaforth.....	39.75	1,185.2	5,228.2	7,324.17	17,661.85	6,011.58
Shelburne.....	44.75	560.2	2,416.8	3,385.69	8,595.32	1,443.15
Simcoe.....	39.25	4,029.7	19,139.7	26,812.77	60,050.60	20,439.49
Smith's Falls.....	33.50	4,746.5	21,099.0	29,557.55	72,802.61	12,227.59
Smithville.....	44.75	406.1	1,598.9	2,239.90	6,051.70	2,059.82
Southampton.....	44.50	831.9	3,659.0	5,125.89	12,764.10	2,143.08
Springfield.....	47.25	128.1	532.6	746.12	1,908.95	649.75
Stamford Twp.....	33.50	8,019.3	42,327.4	59,296.37	111,291.01	40,675.58
Stayner.....	40.50	563.3	2,457.0	3,442.01	8,642.88	1,451.13
Stirling.....	35.50	565.6	2,447.7	3,428.98	8,675.27	1,457.06
Stoney Creek.....	41.00	1,118.3	5,676.4	7,952.06	16,664.91	5,672.25
Stouffville.....	43.75	885.0	3,691.6	5,171.55	13,188.27	4,488.91
Stratford.....	40.25	10,666.4	52,788.3	73,951.02	158,950.72	54,102.22
Strathroy.....	41.50	2,053.1	10,376.1	14,535.86	30,595.30	10,413.75
Streetsville.....	42.00	1,079.5	4,868.5	6,820.27	16,086.71	5,475.45
Sunderland.....	40.50	244.7	952.0	1,333.65	3,754.51	630.38
Sundridge.....	52.20	120.9	529.6	741.91	1,855.01	311.45
Sutton.....	46.75	656.7	2,910.5	4,077.31	9,786.15	3,330.92
Swansea.....	41.25	3,958.9	21,748.8	30,467.85	58,995.54	20,080.37
Tara.....	47.75	214.1	810.8	1,135.85	3,285.00	551.55
Tavistock.....	44.50	763.4	3,205.3	4,490.30	11,376.19	3,872.13
Tecumseh.....	49.00	893.3	4,268.4	5,979.59	13,311.96	4,531.01
Teeswater.....	49.00	309.5	1,438.8	2,015.61	4,748.75	797.31
Thamesford.....	49.75	325.3	1,351.7	1,893.59	4,847.62	1,649.99
Thamesville.....	52.20	457.7	1,767.1	2,475.53	6,820.65	2,321.55
Thedford.....	52.20	246.2	1,117.8	1,565.92	3,668.87	1,248.78
Thornbury.....	44.00	328.2	1,049.6	1,470.38	5,035.67	845.49
Thornedale.....	44.75	179.9	716.0	1,003.04	2,680.87	912.49
Thornton.....	36.75	71.9	230.2	322.48	1,103.18	185.22
Thorold.....	39.75	6,620.4	41,363.3	57,945.76	98,657.22	33,580.06
Tilbury.....	51.25	1,354.0	5,930.2	8,307.61	20,177.31	6,867.77
Tillsonburg.....	39.50	2,794.1	12,723.9	17,824.89	41,637.69	14,172.26
Toronto.....	38.75	439,739.1	2,493,987.9	3,493,822.57	6,552,993.18	2,230,449.10
Toronto Twp.....	41.00	13,628.7	73,683.4	103,222.93	203,094.92	69,127.63
Tottenham.....	42.50	223.6	1,013.6	1,419.95	3,430.76	576.02
Trafalgar Twp.....	43.50	2,381.1	11,590.7	16,237.39	35,483.16	12,077.44

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges								
Divisional costs, in- cluding trans- formation, transmission, and distribution	Frequency standard- ization interest and portion of cost written off	Provision for con- tingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$	\$	\$
14,509.45	11,339.00	2,267.80	.....	671.76	89,463.19	91,276.94	1,813.75	39.45
64,897.70	47,339.00	9,467.80	.....	2,804.54	389,302.02	392,913.69	3,611.67	41.12
193,407.82	108,668.50	21,733.70	.....	6,437.92	951,845.90	967,151.48	15,305.58	43.80
210,920.48	168,472.00	33,694.40	.....	9,980.90	1,352,731.26	1,339,350.73	13,380.53	40.15
8,722.23	5,926.00	1,185.20	.....	351.08	47,182.11	47,112.35	69.76	39.81
12,622.09	.....	560.20	1,120.40	165.94	25,651.99	25,069.68	582.31	45.79
25,552.35	20,148.50	4,029.70	.....	1,193.67	158,227.08	158,164.41	62.67	39.27
35,367.13	.....	4,746.50	9,493.00	1,406.00	146,614.38	159,006.34	12,391.96	30.89
5,756.10	2,030.50	406.10	.....	120.29	18,664.41	18,172.60	491.81	45.96
16,389.61	.....	831.90	1,663.80	246.42	35,837.20	37,018.41	1,181.21	43.08
1,787.75	640.50	128.10	.....	37.95	5,899.12	6,052.72	153.60	46.05
22,302.99	40,096.50	8,019.30	.....	2,375.46	284,057.21	268,646.54	15,410.67	35.42
9,145.49	.....	563.30	1,126.60	166.86	22,285.07	22,813.97	528.90	39.56
6,384.83	.....	565.60	1,131.20	167.54	19,548.08	20,079.37	531.29	34.56
9,292.37	5,591.50	1,118.30	.....	331.26	46,622.65	45,849.28	773.37	41.69
11,714.35	4,425.00	885.00	.....	262.15	40,135.23	38,716.92	1,418.31	45.35
64,213.05	53,332.00	10,666.40	.....	3,159.58	418,374.99	429,323.60	10,948.61	39.22
15,994.01	10,265.50	2,053.10	.....	608.17	84,465.69	85,202.59	736.90	41.14
9,254.24	5,397.50	1,079.50	.....	319.77	44,433.44	45,338.30	904.86	41.16
4,325.53	.....	244.70	489.40	72.48	9,871.85	9,908.98	37.13	40.34
3,485.12	.....	120.90	241.80	35.81	6,308.40	6,308.40	.....	52.20
10,008.69	3,283.50	656.70	.....	194.53	31,337.80	30,700.72	637.08	47.72
21,760.43	19,794.50	3,958.90	.....	1,172.70	156,230.29	163,305.99	7,075.70	39.46
4,432.87	.....	214.10	428.20	63.42	9,254.59	10,222.85	968.26	43.23
9,183.76	3,817.00	763.40	.....	226.13	33,728.91	33,972.02	243.11	44.18
13,499.71	4,466.50	893.30	.....	264.61	42,946.68	43,773.33	826.65	48.08
6,980.66	.....	309.50	619.00	91.68	14,324.51	15,167.12	842.61	46.28
5,724.48	1,626.50	325.30	.....	96.36	16,163.84	16,182.42	18.58	49.69
9,391.55	2,288.50	457.70	.....	135.58	23,891.06	23,891.06	.....	52.20
4,520.37	1,231.00	246.20	.....	72.93	12,554.07	12,849.88	295.81	50.99
6,055.27	.....	328.20	656.40	97.22	13,175.83	14,440.06	1,264.23	40.15
2,472.94	899.50	179.90	.....	53.29	8,202.03	8,052.01	150.02	45.59
876.48	.....	71.90	143.80	21.30	2,436.76	2,643.85	207.09	33.89
30,413.50	33,102.00	6,620.40	.....	1,961.08	262,280.02	263,162.55	882.53	39.62
26,053.11	6,770.00	1,354.00	.....	401.08	69,930.88	69,390.34	540.54	51.65
18,297.72	13,970.50	2,794.10	.....	827.66	109,524.82	110,365.31	840.49	39.20
2,001,266.56	2,198,695.50	439,739.10	.....	130,258.80	17,047,224.81	17,039,888.13	7,336.68	38.77
87,607.19	68,143.50	13,628.70	.....	4,037.07	548,861.94	558,775.32	9,913.38	40.27
4,256.25	.....	223.60	447.20	66.23	9,525.61	9,502.62	22.99	42.60
23,016.39	11,905.50	2,381.10	.....	705.33	101,806.31	103,579.64	1,773.33	42.76

SOUTHERN ONTARIO
COST OF POWER, AMOUNT BILLED AT INTERIM RATES,
For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Trenton.....	32.00	7,968.4	42,530.1	59,580.33	117,081.68	20,527.62
Tweed.....	44.75	713.9	3,245.4	4,546.47	10,949.92	1,839.10
Uxbridge.....	42.00	831.2	3,585.7	5,023.20	12,753.35	2,141.28
Vankleek Hill.....	40.50	141.0	642.9	900.64	2,162.68	363.23
Victoria Harbour.....	48.75	201.0	831.6	1,164.99	3,084.00	517.80
Walkerton.....	37.00	1,712.5	6,877.8	9,635.10	25,646.41	4,411.62
Wallaceburg.....	45.75	6,853.5	37,497.2	52,529.75	102,130.87	34,762.39
Wardsville.....	52.20	100.0	448.6	628.44	1,490.20	507.22
Warkworth.....	41.00	171.1	617.2	864.63	2,624.36	440.78
Waterdown.....	42.00	582.6	2,785.6	3,902.34	8,681.91	2,955.07
Waterford.....	43.75	656.0	2,925.4	4,098.19	9,775.71	3,327.37
Waterloo.....	38.75	9,679.1	43,502.7	60,942.84	144,237.97	49,094.43
Watford.....	45.75	665.4	2,653.7	3,717.56	9,915.79	3,375.05
Waubausene.....	44.25	198.9	756.8	1,060.20	3,051.78	512.39
Welland.....	38.50	11,532.2	57,407.6	80,422.19	171,852.87	58,493.74
Wellesley.....	44.75	275.0	997.2	1,396.98	4,098.05	1,394.86
Wellington.....	40.25	397.1	1,561.0	2,186.80	6,090.79	1,022.98
West Lorne.....	51.00	749.1	2,598.6	3,640.37	11,163.09	3,799.59
Weston.....	40.00	6,469.4	34,056.5	47,709.68	96,407.01	32,814.16
Westport.....	40.00	215.0	919.6	1,288.27	3,297.71	553.87
Wheatley.....	51.75	492.2	2,104.6	2,948.33	7,334.77	2,496.54
Whitby.....	37.50	2,901.9	14,836.4	20,784.28	44,509.82	7,475.67
Warton.....	46.50	730.8	3,849.6	5,392.90	11,212.89	1,882.63
Williamsburg.....	46.75	139.9	616.0	862.95	2,145.81	360.40
Winchester.....	38.25	674.2	2,809.8	3,936.24	10,340.99	1,736.83
Windermere.....	39.25	103.4	399.2	559.23	1,586.50	266.37
Windsor.....	44.25	65,666.2	327,718.3	459,099.90	978,557.87	333,072.77
Wingham.....	41.50	1,195.8	6,387.8	8,948.66	18,347.53	3,080.53
Woodbridge.....	42.50	1,571.1	8,280.5	11,600.14	23,412.54	7,968.95
Woodstock.....	39.25	11,527.0	57,986.0	81,232.47	171,775.38	58,467.37
Woodville.....	45.75	137.1	536.0	750.88	2,103.57	353.19
Wyoming.....	49.00	229.2	892.7	1,250.58	3,415.54	1,162.55
York Twp.....	38.50	38,297.5	211,297.2	296,005.82	570,709.44	194,252.97
Zurich.....	49.25	261.6	929.2	1,301.71	3,898.36	1,326.89
Ontario Central Reformatory..	36.10	373.3	1,674.8	2,346.22	5,562.92	1,893.46
Total—Municipalities.....		1,723,808.3	9,176,669.7	12,855,577.90	25,768,129.65	7,981,699.54
Total—Rural Power District.....		280,927.9	1,321,801.7	1,851,709.31	4,220,638.73	1,176,841.52
Total—Companies.....		520,445.0	4,877,372.9	6,854,120.46	7,830,644.53	2,676,800.14
Total—Local Distribution Systems.....		6,320.2	30,995.1	43,420.97	96,666.58	18,304.22
Grand Total.....		2,531,501.4	15,406,839.4	21,604,828.64	37,916,079.49	11,853,645.42

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges								
Divisional costs, including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$	\$	\$
43,868.53		7,968.40	15,936.80	2,360.39	235,450.15	254,989.88	19,539.73	29.55
11,685.72		713.90	1,427.80	211.47	28,518.78	31,944.78	3,426.00	39.95
12,606.39		831.20	1,662.40	246.22	31,939.24	34,912.15	2,972.91	38.43
1,513.68		141.00	282.00	41.77	4,841.00	5,708.46	867.46	34.33
4,053.24		201.00	402.00	59.54	8,678.57	9,798.74	1,120.17	43.18
22,894.41		1,712.50	3,425.00	507.27	61,382.31	63,362.18	1,979.87	35.84
68,819.57	34,267.50	6,853.50		2,030.13	301,393.71	313,546.87	12,153.16	43.98
1,962.79	500.00	100.00		29.62	5,218.27	5,218.27		52.20
2,913.64		171.10	342.20	50.68	6,722.99	7,013.73	290.74	39.29
5,555.24	2,913.00	582.60		172.58	24,762.74	24,470.95	291.79	42.50
7,509.07	3,280.00	656.00		194.32	28,840.66	28,699.25	141.41	43.96
57,692.30	48,395.50	9,679.10		2,867.13	372,909.27	375,063.51	2,154.24	38.52
10,131.77	3,327.00	665.40		197.10	31,329.67	30,443.95	885.72	47.08
3,719.33		198.90	397.80	58.92	8,203.72	8,803.17	599.45	41.25
62,555.34	57,661.00	11,532.20		3,416.05	445,933.39	443,991.96	1,941.43	38.67
3,616.01	1,375.00	275.00		81.46	12,237.36	12,304.37	67.01	44.50
7,060.29		397.10	794.20	117.63	16,081.39	15,983.59	87.80	40.50
15,783.47	3,745.50	749.10		221.90	39,103.02	38,203.67	899.35	52.20
40,642.48	32,347.00	6,469.40		1,916.36	258,306.09	258,774.00	467.91	39.93
2,895.29		215.00	430.00	63.69	7,884.83	8,601.67	716.84	36.67
9,576.34	2,461.00	492.20		145.80	25,454.98	25,470.91	15.93	51.72
32,105.28		2,901.90	5,803.80	859.60	102,832.75	108,822.80	5,990.05	35.44
13,324.38		730.80	1,461.60	216.48	31,298.48	33,981.00	2,682.52	42.83
2,867.07		139.90	279.80	41.44	6,137.77	6,540.30	402.53	43.87
11,691.50		674.20	1,348.40	199.71	27,231.07	25,788.78	1,442.29	40.39
1,478.43		103.40	206.80	30.63	3,817.76	4,058.76	241.00	36.92
652,769.93	328,331.00	65,666.20		19,451.53	2,836,949.20	2,905,727.85	68,778.65	43.20
23,036.78		1,195.80	2,391.60	354.22	52,571.92	49,623.96	2,947.96	43.96
16,207.16	7,855.50	1,571.10		465.39	69,080.78	66,770.32	2,310.46	43.97
67,110.74	57,635.00	11,527.00		3,414.51	451,162.47	452,432.78	1,270.31	39.14
2,866.27		137.10	274.20	40.61	5,977.42	6,271.18	293.76	43.60
4,175.72	1,146.00	229.20		67.89	11,447.48	11,232.83	214.65	49.95
179,909.96	191,487.50	38,297.50		11,344.42	1,482,007.61	1,474,453.41	7,554.20	38.70
4,455.95	1,308.00	261.60		77.49	12,630.00	12,882.55	252.55	48.28
2,261.16	1,866.50	373.30		110.58	14,414.14	13,475.21	938.93	38.61
11,413,018.38	7,093,013.00	1,723,808.30	610,411.40	510,623.67	66,735,459.04	67,690,079.23	954,620.19	
3,439,827.79	907,693.00	280,927.90	198,778.60	83,216.00	11,762,075.65	11,762,075.65		
3,034,802.88	2,769,234.07	520,445.00		798,200.19	22,887,846.89	22,887,846.89		
203,534.06	4,051.50	12,646.79		204,360.52	582,984.64	582,984.64		
18,091,183.11	10,773,991.57	2,537,827.99	809,190.00		101,968,366.22	102,922,986.41	954,620.19	

Notes on Cost of Power Statement

SOUTHERN ONTARIO SYSTEM

1. The items shown under the heading "Share of power purchased, operating costs, and fixed charges" total \$89,465,736.66 as follows:

Power supply—based on energy.....	\$21,604,828.64
—based on peak load.....	37,916,079.49
Bulk transmission.....	11,853,645.42
Divisional costs including transformation, transmission, and distribution.....	18,091,183.11
	<u>\$89,465,736.66</u>

This total includes the following items of cost shown in the statement of operations:

Cost of power purchased.....	\$13,508,995.78
Interchange of power with Northern Ontario Properties.....	154,734.33
Operating, maintenance and administrative expenses.....	32,443,335.50
Interest.....	28,040,598.54
Allowance for depreciation.....	7,966,970.53
Provision for sinking fund.....	7,660,570.64
	<u>\$89,465,736.66</u>

2. Frequency standardization interest and portion of cost written off are as follows:

Interest.....	\$2,297,620.00
Portion of cost written off.....	8,476,371.57
	<u>\$10,773,991.57</u>

This represents a charge to all customers in the Niagara Division at the rate of \$5 per kilowatt on the average monthly peak load supplied amounting to \$10,063,598.00, and an amount equal to the revenue from the export of 60-cycle surplus energy amounting to \$710,393.57. The latter amount is included in the \$2,769,234.07 shown as charged to companies.

3. The provision for contingencies \$2,537,827.99 consists of a charge of \$1 per kilowatt on the average monthly peak load supplied to all customers in the Southern Ontario System and \$6,326.59 additional for the distribution facilities of the local systems.

4. The withdrawal of \$809,190.00 from stabilization of rates reserve was credited to all municipal customers and the Rural Power District in the Eastern Ontario and Georgian Bay Divisions at the rate of \$2.00 per kilowatt of the average monthly peak load supplied.

5. The method used in 1952 of allocating the cost of power supplied to each customer was followed in 1953 with the following exceptions:

(a) In calculating the peak demand for company loads the recorded demand was not increased for energy taken in excess of the contracted load factor. In 1952 a hypothetical demand was estimated for this excess energy. The recorded demand for company loads supplied on an interruptible basis was reduced by 25 per cent in arriving at the demand load used for cost allocation. In 1952 the reduction was 15 per cent. In 1952 a hypothetical demand was estimated for steel-furnace loads. In 1953 no demand was assigned but costs were apportioned on the basis of kilowatt-hours.

(b) A portion of the costs of bulk transmission was allocated to all loads in the Southern Ontario System on a kilowatt basis. In 1952 these costs were allocated entirely to the Niagara Division except for a small portion assigned to the other two divisions.

6. Interchange of power between the Southern Ontario System and Northern Ontario Properties shown in the statement of operations as a deduction amounting to \$154,734.33 represents the cost of 116,188,000 kilowatt-hours of energy transferred to the Northern Ontario Properties less the cost of 89,648,000 kilowatt-hours of energy transferred to the Southern Ontario System. The cost was determined on the basis of the average annual cost of generating energy and the cost of the facilities used for the interchange. This energy is not included in the cost of power statement in the total of "Energy supplied during the year—15,406,839,000 kilowatt-hours."

SOUTHERN ONTARIO SYSTEM

SINKING FUND

Statement showing amount paid as part of the cost of power by each municipality, together with the proportionate share of other sinking funds provided out of revenues of the system, and interest allowed thereon to December 31, 1953

Municipality	Period of years to Dec. 31, 1953	Amount	Municipality	Period of years to Dec. 31, 1953	Amount
		\$			\$
Acton.....	36	214,900.82	Brechin.....	34	16,383.38
Agincourt.....	30	37,542.52	Bridgeport.....	26	23,166.89
Ailsa Craig.....	33	35,947.64	Brigden.....	31	28,299.87
Alexandria.....	29	75,524.11	Brighton.....	24	44,376.38
Alliston.....	30	70,912.79	Brockville.....	33	557,463.26
Almonte.....	9	16,766.47	Bronte.....	2	3,319.19
Alvinston.....	30	35,826.99	Brussels.....	30	36,925.13
Amherstburg.....	30	164,292.92	Burford.....	33	39,444.08
Ancaster Twp.....	30	55,889.03	Burgessville.....	32	13,755.59
Apple Hill.....	29	8,145.92	Burks Falls.....	4	2,970.81
Arkona.....	27	17,648.95	Burlington.....	9	68,379.25
Arnprior.....	15	74,513.02	Caledonia.....	36	61,265.85
Arthur.....	32	48,167.63	Campbellville.....	29	8,237.47
Athens.....	25	18,639.58	Cannington.....	34	40,153.02
Aurora.....	11	62,782.48	Cardinal.....	24	27,305.34
Aylmer.....	30	138,233.05	Carleton Place.....	29	219,222.59
Ayr.....	34	41,354.25	Casselman.....	2	965.16
Baden.....	36	81,531.76	Cayuga.....	29	27,964.09
Bancroft.....	4	3,431.54	Chatham.....	33	1,090,798.98
Barrie.....	35	471,827.65	Chatsworth.....	33	14,137.37
Barry's Bay.....	4	2,130.78	Chesley.....	32	95,391.04
Bath.....	22	7,591.10	Chesterville.....	34	66,958.63
Beachville.....	36	110,412.80	Chippawa.....	32	45,686.82
Beamsville.....	17	34,474.49	Clifford.....	30	21,448.78
Beaverton.....	34	51,913.33	Clinton.....	34	127,489.71
Beeton.....	30	36,316.41	Cobden.....	18	12,088.08
Belle River.....	31	33,460.85	Cobourg.....	22	205,610.13
Belleville.....	25	619,216.47	Colborne.....	21	21,336.28
Blenheim.....	33	102,092.41	Coldwater.....	35	34,429.95
Bloomfield.....	25	19,463.78	Collingwood.....	35	366,544.81
Blyth.....	30	29,396.01	Comber.....	33	42,398.36
Bobcaygeon.....	8	7,697.66	Cookstown.....	30	15,379.24
Bolton.....	33	44,983.35	Cottam.....	27	13,866.12
Bothwell.....	33	40,191.92	Courtright.....	30	14,463.28
Bowmanville.....	22	238,834.35	Creemore.....	34	29,966.58
Bradford.....	30	53,340.79	Dashwood.....	31	22,738.41
Braeside.....	9	6,278.32	Delaware.....	33	10,702.25
Brampton.....	37	461,101.58	Delhi.....	16	43,698.63
Brantford.....	34	2,549,859.20	Deseronto.....	33	28,794.06
Brantford Twp.....	30	160,253.07	Dorchester.....	34	20,557.27

SOUTHERN ONTARIO SYSTEM
SINKING FUND PAYMENTS BY MUNICIPALITIES
(continued)

Municipality	Period of years to Dec. 31, 1953	Amount	Municipality	Period of years to Dec. 31, 1953	Amount
		\$			\$
Drayton.....	30	32,434.19	Hanover.....	32	214,751.12
Dresden.....	33	87,181.19	Harriston.....	32	91,860.33
Drumbo.....	34	18,128.96	Harrow.....	30	80,795.60
Dublin.....	31	13,719.19	Hastings.....	23	14,394.88
Dundalk.....	33	35,147.01	Havelock.....	25	32,149.00
Dundas.....	37	378,135.19	Hensall.....	32	44,968.53
Dunnville.....	31	183,019.30	Hespeler.....	37	336,998.13
Durham.....	33	77,911.56	Highgate.....	32	23,023.54
Dutton.....	33	48,294.88	Holstein.....	32	6,719.08
East York Twp.....	29	1,048,166.70	Huntsville.....	32	171,269.62
Eganville.....	2	513.61	Ingersoll.....	37	481,124.79
Elmira.....	35	207,728.48	Iroquois.....	14	15,179.40
Elmvale.....	35	37,560.98	Jarvis.....	30	37,878.81
Elmwood.....	30	12,457.94	Kemptville.....	29	61,287.51
Elora.....	34	93,194.32	Kincardine.....	29	122,848.69
Embro.....	34	28,930.46	Kingston.....	16	783,168.04
Erieau.....	30	22,467.86	Kingsville.....	30	113,425.74
Erie Beach.....	29	4,451.16	Kirkfield.....	29	7,873.69
Erin.....	4	2,925.66	Kitchener.....	37	3,557,020.68
Essex.....	30	93,275.17	Lakefield.....	25	46,202.57
Etobicoke Twp.....	31	1,055,391.77	Lambeth.....	33	28,605.28
Exeter.....	32	122,269.60	Lanark.....	29	17,765.67
Fergus.....	34	188,028.15	Lancaster.....	29	14,721.06
Finch.....	26	13,853.25	La Salle.....	28	46,508.04
Flesherton.....	33	16,455.26	Leamington.....	30	275,632.90
Fonthill.....	28	25,393.51	Lindsay.....	25	343,280.97
Forest.....	31	96,659.13	Listowel.....	32	218,781.22
Forest Hill.....	30	608,816.28	London.....	37	6,092,065.73
Frankford.....	5	4,607.32	London Twp.....	29	68,359.07
Galt.....	37	1,481,280.76	Long Branch.....	23	140,389.26
Georgetown.....	35	291,316.00	L'Orignal.....	1	234.24
Glencoe.....	30	51,306.82	Lucan.....	33	45,778.49
Goderich.....	34	322,870.60	Lucknow.....	29	57,028.55
Grand Valley.....	32	32,564.44	Lynden.....	33	29,864.96
Granton.....	32	18,492.35	Madoc.....	24	30,029.65
Gravenhurst.....	33	107,134.90	Magnetawan.....	3	519.39
Grimsby.....	12	43,961.74	Markdale.....	32	29,135.96
Guelph.....	37	1,725,668.77	Markham.....	30	57,213.74
Hagersville.....	35	185,787.07	Marmora.....	25	19,195.27
Hamilton.....	37	14,884,168.03	Martintown.....	29	6,057.28

SOUTHERN ONTARIO SYSTEM

SINKING FUND PAYMENTS BY MUNICIPALITIES

(continued)

Municipality	Period of years to Dec. 31, 1953	Amount	Municipality	Period of years to Dec. 31, 1953	Amount
		\$			\$
Maxville.....	29	24,581.20	Palmerston.....	32	108,860.02
Meaford.....	29	99,963.83	Paris.....	34	282,809.75
Merlin.....	30	27,107.96	Parkhill.....	30	51,693.89
Merrickville.....	4	3,577.00	Parry Sound.....	6	13,568.70
Merritton.....	32	666,835.56	Penetanguishene....	37	163,763.82
Midland.....	35	558,337.19	Perth.....	29	200,312.40
Mildmay.....	21	15,045.66	Peterborough.....	25	1,197,108.91
Millbrook.....	15	8,643.03	Petrolia.....	32	236,496.70
Milton.....	35	253,200.16	Pictou.....	25	166,806.96
Milverton.....	32	99,829.78	Plattsville.....	34	27,066.65
Mimico.....	36	382,224.16	Point Edward.....	31	201,294.77
Mitchell.....	37	120,138.40	Port Colborne.....	32	329,076.12
Moorefield.....	30	15,772.14	Port Credit.....	36	128,615.92
Morrisburg.....	16	23,088.62	Port Dalhousie.....	32	107,626.73
Mount Brydges.....	33	19,869.90	Port Dover.....	30	78,100.34
Mount Forest.....	33	92,872.99	Port Elgin.....	23	52,404.10
Napanee.....	24	140,610.69	Port Hope.....	24	240,657.99
Neustadt.....	30	15,034.49	Port McNicoll.....	34	25,532.01
Newboro.....	5	959.20	Port Perry.....	29	51,777.21
Newburgh.....	5	1,835.93	Port Rowan.....	27	19,627.15
Newbury.....	30	10,976.75	Port Stanley.....	36	109,249.85
Newcastle.....	17	16,879.49	Prescott.....	34	144,273.03
New Hamburg.....	37	122,442.35	Preston.....	37	638,684.83
Newmarket.....	9	72,824.65	Priceville.....	29	2,495.37
New Toronto.....	34	1,285,037.16	Princeton.....	34	25,058.31
Niagara.....	30	91,811.13	Queenston.....	30	18,106.63
Niagara Falls.....	33	1,367,770.93	Renfrew.....	9	35,728.38
North York Twp....	30	1,164,648.18	Richmond.....	26	11,277.84
Norwich.....	36	89,185.23	Richmond Hill.....	29	69,375.86
Norwood.....	25	20,592.00	Ridgetown.....	33	105,960.78
Oakville.....	5	66,262.06	Ripley.....	29	21,499.65
Oil Springs.....	30	53,378.35	Riverside.....	31	233,872.44
Omeme.....	14	10,448.66	Rockwood.....	35	28,510.87
Orangeville.....	32	127,981.66	Rodney.....	31	34,800.15
Orono.....	15	7,790.78	Rosseau.....	23	10,049.55
Oshawa.....	25	1,803,299.15	Russell.....	28	15,042.52
Ottawa.....	38	1,509,340.87	St. Catharines.....	32	2,115,423.04
Otterville.....	32	23,185.31	St. Clair Beach.....	31	18,754.78
Owen Sound.....	33	663,604.75	St. George.....	33	34,567.25
Paisley.....	29	29,312.11	St. Jacobs.....	31	44,167.50

SOUTHERN ONTARIO SYSTEM

SINKING FUND PAYMENTS BY MUNICIPALITIES
(concluded)

Municipality	Period of years to Dec. 31, 1953	Amount	Municipality	Period of years to Dec. 31, 1953	Amount
		\$			\$
St. Mary's.....	37	316,632.32	Trenton.....	22	340,737.54
St. Thomas.....	37	1,221,549.49	Tweed.....	23	38,226.90
Sarnia.....	32	1,672,957.02	Uxbridge.....	29	58,047.45
Scarborough Twp....	30	814,683.35	Vankleek Hill.....	1	507.39
Seaforth.....	37	152,280.24	Victoria Harbour....	34	16,933.37
Shelburne.....	32	51,526.34	Walkerton.....	23	84,242.56
Simcoe.....	33	316,222.59	Wallaceburg.....	33	580,360.46
Smith's Falls.....	30	305,200.21	Wardsville.....	30	10,541.95
Smithville.....	13	15,028.73	Warkworth.....	25	11,908.59
Southampton.....	23	51,041.83	Waterdown.....	37	54,970.02
Springfield.....	31	21,154.32	Waterford.....	33	79,550.15
Stamford Twp.....	32	311,260.29	Waterloo.....	37	736,261.43
Stayner.....	35	45,880.36	Watford.....	31	66,930.49
Stirling.....	24	30,365.90	Waubushene.....	34	14,187.55
Stoney Creek.....	7	16,695.76	Welland.....	31	922,511.55
Stouffville.....	30	54,849.51	Wellesley.....	32	36,821.18
Stratford.....	37	1,394,465.11	Wellington.....	25	31,489.59
Strathroy.....	34	229,207.26	West Lorne.....	32	67,516.16
Streetsville.....	19	27,180.28	Weston.....	37	626,107.88
Sunderland.....	34	25,525.43	Westport.....	22	17,006.00
Sundridge.....	2	967.08	Wheatley.....	30	42,040.95
Sutton.....	30	51,770.98	Whitby.....	25	163,788.36
Swansea.....	28	275,374.35	Warton.....	23	50,841.44
Tara.....	30	22,750.31	Williamsburg.....	33	15,850.66
Tavistock.....	32	112,072.14	Winchester.....	34	55,055.53
Tecumseh.....	31	75,163.91	Windermere.....	24	8,015.15
Teeswater.....	29	33,333.56	Windsor.....	34	7,741,623.61
Thamesford.....	34	43,771.59	Wingham.....	29	112,766.22
Thamesville.....	33	45,722.67	Woodbridge.....	34	100,231.78
Theftford.....	30	26,669.89	Woodstock.....	37	1,072,160.92
Thornbury.....	9	6,867.29	Woodville.....	34	22,616.40
Thornedale.....	34	21,294.56	Wyoming.....	32	22,277.17
Thornton.....	30	8,391.26	York Twp.....	33	2,252,174.72
Thorold.....	31	311,449.52	Zurich.....	31	33,061.88
Tilbury.....	33	140,677.35			
Tillsonburg.....	37	237,441.37	Total—Municipalities....		\$137,826,260.53
Toronto.....	37	47,484,922.36	Total—Rural Power Dis-		
Toronto Twp.....	35	459,832.41	trict.....		19,328,133.37
Tottenham.....	30	27,410.27			
Trafalgar.....	17	60,164.13	Grand Total.....		\$157,154,393.90

NORTHERN ONTARIO PROPERTIES

FIXED ASSETS—December 31, 1953

Power System

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
	\$	\$	\$	\$
GENERATING STATIONS				
Northeastern Division				
Abitibi River				
Abitibi Canyon.....	9,070.99	5,530,862.63	13,541,667.79	19,081,601.41
Frederick House Dam.....	74,789.70	144,196.72	752,212.94	971,199.36
Coral, Otter, Sextant, and Nine Mile Rapids.....	170,900.00			170,900.00
Watabeag Lake Dam.....		6,983.63	64,565.68	71,549.31
Desserat Lake Diversion...	1,300.00	4,220.89	34,471.80	39,992.69
Mississagi River				
George W. Rayner.....		1,740,000.00	16,690,277.18	18,430,277.18
Aubrey Falls.....	43,893.66			43,893.66
Rocky Island Storage Dam.....		1,445,100.58	1,703,631.72	3,148,782.30
Mattagami River				
Wawaitin.....	24,588.07		1,449,013.71	1,473,601.78
Lower Sturgeon.....	23,181.06	53,250.00	898,535.01	974,966.07
Sandy Falls.....	5,980.84		861,235.76	867,216.60
Storage dams.....		1,944.00	288,648.68	290,592.68
Intangible.....		990,591.44		990,591.44
Montreal River				
Upper Notch.....	1,581.76	15,900.17	2,378,781.71	2,396,263.64
Hound Chute.....		3,240.00	648,838.94	652,078.94
Indian Chute.....			575,265.42	575,265.42
Fountain Falls.....			560,765.32	560,765.32
Ragged Chute.....			959,172.00	959,172.00
Storage dams.....			178,471.78	178,471.78
Wanapitei River				
Stinson.....		33,000.00	667,140.36	700,140.36
Coniston.....	5,073.39	15,092.20	771,031.96	791,197.55
McVittie.....	14,405.06	13,323.00	460,766.45	488,494.51
Storage dam.....		25.00	194,870.00	194,895.00
Intangible.....		830,514.53		830,514.53
Matabitchuan River				
Matabitchuan.....	112,013.61	3,240.00	920,921.95	1,036,175.56
Storage dams.....	2.70	14,374.75	134,545.12	148,922.57
Sturgeon River				
Crystal Falls and storage dams.....	9,855.31	49,966.82	1,444,983.26	1,504,805.39
South River				
Nipissing.....		13,549.37	374,086.14	387,635.51
Elliott Chute.....		119,307.09	334,565.33	453,872.42
Bingham Chute.....		12,105.05	283,098.86	295,203.91
Storage dams.....			76,122.70	76,122.70
Intangible.....		69,478.34		69,478.34
Kagawong River				
Kagawong.....		43,396.98	167,129.57	210,526.55
Inactive.....		2.00		2.00

NORTHERN ONTARIO PROPERTIES

FIXED ASSETS—December 31, 1953

Power System

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
	\$	\$	\$	\$
Northwestern Division				
Nipigon River				
Pine Portage.....	2,556,053.96	2,456,622.30	24,156,610.20	29,169,286.46
Cameron Falls.....		857,418.84	9,613,692.94	10,471,111.78
Alexander.....	32,793.40	80,379.73	7,117,986.74	7,231,159.87
Virgin Falls Dam.....		55,450.41	431,190.80	486,641.21
Aguasabon River				
Aguasabon.....	32.40	937,004.94	11,741,990.95	12,679,028.29
Kaministikwia River				
Kakabeka Falls.....		518,603.86	3,763,867.72	4,282,471.58
English River				
Ear Falls.....		566.75	3,759,591.50	3,760,158.25
Manitou Falls.....	92,375.14			92,375.14
Albany River				
Rat Rapids.....		39,297.44	910,865.94	950,163.38
Winnipeg River				
Boundary Falls.....	25,519.57			25,519.57
Intangible—Rainy River.....		4,086.32	16,399.00	20,485.32
	3,203,410.62	16,103,095.78	108,927,062.93	128,233,569.33
TRANSFORMER STATIONS				
Northeastern Division.....	730,687.99		13,089,021.40	13,819,709.39
Northwestern Division.....	310,038.86		4,381,900.81	4,691,939.67
	1,040,726.85		17,470,922.21	18,511,649.06
TRANSMISSION LINES				
Northeastern Division.....	825,159.59	2,127,381.00	16,708,745.81	19,661,286.40
Northwestern Division.....	688,070.64	1,518,693.00	13,080,350.50	15,287,114.14
	1,513,230.23	3,646,074.00	29,789,096.31	34,948,400.54
LOCAL SYSTEMS				
Northeastern Division.....	107,018.55		2,289,623.20	2,396,641.75
Northwestern Division.....	44,283.74		508,177.26	552,461.00
	151,302.29		2,797,800.46	2,949,102.75
COMMUNICATIONS				
Northern Ontario Properties..	84,591.44		3,035,989.62	3,120,581.06
Total power system.....	5,993,261.43	19,749,169.78	162,020,871.53	187,763,302.74

NORTHERN ONTARIO PROPERTIES

ADMINISTRATIVE AND SERVICE BUILDINGS AND EQUIPMENT

FIXED ASSETS—December 31, 1953

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
ADMINISTRATIVE AND SERVICE BUILDINGS	\$	\$	\$	\$
Northeastern Division	28,971.93		336,726.67	365,698.60
Northwestern Division	5,967.61		295,869.37	301,836.98
	34,939.54		632,596.04	667,535.58
OFFICE AND SERVICE EQUIPMENT				
	.....		508,960.37	508,960.37
Total administrative and service buildings and equipment.	34,939.54		1,141,556.41	1,176,495.95

NORTHERN ONTARIO PROPERTIES

FIXED ASSETS—Summary, December 31, 1953

	Power system	Administrative and service buildings and equipment	Rural Power District	Total
Under construction	\$ 5,993,261.43	\$ 34,939.54	\$ 1,313,436.32	\$ 7,341,637.29
In service				
Depreciable	162,020,871.53	1,141,556.41	23,407,796.03	186,570,223.97
Non-depreciable	19,749,169.78	.....	3,324.62	19,752,494.40
	181,770,041.31	1,141,556.41	23,411,120.65	206,322,718.37
Total fixed assets	187,763,302.74	1,176,495.95	24,724,556.97	213,664,355.66

NORTHERN ONTARIO

STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Power

Property	Balance at Jan. 1, 1953	Expenditures during 1953
GENERATING STATIONS	\$	\$
Northeastern Division.....	58,354,909.44	826,891.58
Northwestern Division.....	67,257,267.40	2,280,359.61
	125,612,176.84	3,107,251.19
TRANSFORMER STATIONS		
Northeastern Division.....	12,588,744.43	1,472,543.39
Northwestern Division.....	4,583,209.06	155,523.17
	17,171,953.49	1,628,066.56
TRANSMISSION LINES		
Northeastern Division.....	18,300,424.17	1,420,430.83
Northwestern Division.....	14,714,920.91	617,013.52
	33,015,345.08	2,037,444.35
LOCAL SYSTEMS		
Northeastern Division.....	1,990,899.18	447,146.11
Northwestern Division.....	430,133.89	123,555.75
	2,421,033.07	570,701.86
COMMUNICATIONS		
Northern Ontario Properties.....	2,801,751.22	188,043.92
Total power system.....	181,022,259.70	7,531,507.88

Administrative and Service

ADMINISTRATIVE AND SERVICE BUILDINGS.....	209,052.79	63,082.33
OFFICE AND SERVICE EQUIPMENT.....	471,407.46	38,048.53
Total—Administrative and service buildings and equipment.....	680,460.25	101,130.86
Rural Power District.....	20,446,205.81	4,398,917.23
Total.....	202,148,925.76	12,031,555.97

Summary of Sales and Retirements during 1953:

Proceeds from sales.....	\$122,188.87
Charged to accumulated depreciation.....	393,937.20
Total.....	<u>\$516,126.07</u>

PROPERTIES

During Year Ended December 31, 1953

System

Adjustment for equipment relocated and reclassified	Sales and retirements during 1953	Balance at Dec. 31, 1953
\$ 13,995.96 350,025.16	\$ 102,636.58 19,201.00	\$ 59,065,168.48 69,168,400.85
364,021.12	121,837.58	128,233,569.33
40,029.00 31,913.00	201,549.43 14,879.56	13,819,709.39 4,691,939.67
71,942.00	216,428.99	18,511,649.06
.....	59,568.60	19,661,286.40
.....	44,820.29	15,287,114.14
.....	104,388.89	34,948,400.54
35,042.00	6,361.54 1,228.64	2,396,641.75 552,461.00
35,042.00	7,590.18	2,949,102.75
137,959.01	7,173.09	3,120,581.06
333,046.11	457,418.73	187,763,302.74

Buildings and Equipment

395,400.46 .....	..... 495.62	667,535.58 508,960.37
395,400.46	495.62	1,176,495.95
62,354.35	58,211.72 516,126.07	24,724,556.97 213,664,355.66

NORTHERN ONTARIO
STATEMENTS OF RESERVES—

Depreciation

	Power system	Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balance at January 1, 1953...	21,154,453.44	706,177.50	112,793.86	21,973,424.80
Add:				
Interest at 4% per annum on reserve balances.....	803,705.40	28,247.10		831,952.50
Provision in the year				
—direct.....	1,794,684.00	218,693.62		2,013,377.62
—indirect.....	4,274.80	1,052.40	54,659.65	59,986.85
Salvage recovery on fixed assets retired less removal costs.....	9,577.74	64,366.78		54,789.04
Adjustments re transfer of equipment.....	9,308.42	2,071.42	7,237.00	
Sub-total.....	23,738,231.48	1,020,608.82	174,690.51	24,933,530.81
Deduct:				
Cost of fixed assets retired less proceeds from sales..	342,681.09	50,760.49	495.62	393,937.20
Balance at December 31, 1953.	23,395,550.39	969,848.33	174,194.89	24,539,593.61

Exchange Premium Received on Funded Debt (Net)

Exchange premium and discount on funded debt issued in United States funds	
Balance at January 1, 1953 (premium).....	\$183,205.16
Deduct portion of discount on 3½% November 1, 1953 issue applicable to Northern Ontario Properties.....	100,097.66
Balance at December 31, 1953.....	\$83,107.50

PROPERTIES

December 31, 1953

Contingencies and Obsolescence

	Province of Ontario	Municipalities supplied with power at cost	Northern Ontario Properties	Total
	\$	\$	\$	\$
Balance at January 1, 1953...	899,207.66	1,348,526.39	8,141,098.78	10,388,832.83
Add:				
Interest at 4% per annum on reserve balances.....	35,968.31	53,941.06	325,643.94	415,553.31
Provision in the year				
—direct.....			705,614.09	705,614.09
—indirect.....			2,673.80	2,673.80
Sub-total.....	935,175.97	1,402,467.45	9,175,030.61	11,512,674.03
Deduct:				
Contingencies met with dur- ing year.....		4,032.83	39,226.09	43,258.92
Loss on sale of power to companies.....	414,989.49			414,989.49
Balance at December 31, 1953.	520,186.48	1,398,434.62	9,135,804.52	11,054,425.62

Stabilization of Rates

	Province of Ontario	Municipalities supplied with power at cost	Total
	\$	\$	\$
Balance at January 1, 1953.....	748,873.31	541,995.11	1,290,868.42
Interest at 4% per annum on reserve balances.	29,954.93	21,679.80	51,634.73
Balance at December 31, 1953.....	778,828.24	563,674.91	1,342,503.15

Sinking Fund

	Province of Ontario	Municipalities supplied with power at cost	Total
	\$	\$	\$
Balance at January 1, 1953.....	28,220,185.22	8,511,830.35	36,732,015.57
Interest at 4% per annum on reserve balances.	961,280.82	340,473.21	1,301,754.03
Provision in the year—direct.....	1,739,139.80	224,763.85	1,963,903.65
—indirect.....	3,378.40		3,378.40
Balance at December 31, 1953.....	30,923,984.24	9,077,067.41	40,001,051.65

NORTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,
For the Year

	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
Municipalities supplied with power at cost:	\$	kw	'000 kwh	\$	\$	\$
Fort William.....	32.49	27,068.9	164,037.4	212,024.38	435,254.28	.....
Nipigon Twp.....	34.50	698.5	3,707.2	4,791.69	11,231.53	.....
Port Arthur.....	31.50	29,571.2	148,189.6	191,540.52	475,490.01	.....
Red Rock.....	32.10	452.8	2,184.0	2,822.90	7,280.80	.....
Schreiber Twp.....	36.00	535.3	2,977.6	3,848.66	7,720.11	.....
Terrace Bay.....	36.00	866.0	4,947.2	6,394.44	12,489.47	.....
Total—Municipalities.....		59,192.7	326,043.0	421,422.59	949,466.20	.....
Province of Ontario:						
Rural Power District.....		23,121.0	108,719.4	136,058.85	453,727.19	91,238.99
Other Customers.....		388,561.0	2,932,388.9	3,573,985.46	6,513,403.42	1,563,559.43
Total—Province of Ontario.....		411,682.0	3,041,108.3	3,710,044.31	6,967,130.61	1,654,798.42
Grand Total.....		470,874.7	3,367,151.3	4,131,466.90	7,916,596.81	1,654,798.42

Notes on Cost of Power Statement

NORTHERN ONTARIO PROPERTIES

1. The items shown under the heading "Share of power purchased, operating costs and fixed charges" total \$19,247,200.97 as follows:

Power supply—based on energy.....	\$4,131,466.90
—based on peak load.....	7,916,596.81
Bulk transmission.....	1,654,798.42
Divisional costs including transformation, transmission, and distribution.....	5,544,338.84
	<u>\$19,247,200.97</u>

This total includes the following items of cost shown in the statement of operations:

Cost of power purchased.....	\$131,660.43
Interchange of power with Southern Ontario System.....	154,734.33
Operating, maintenance and administrative expenses.....	8,431,375.30
Interest.....	6,552,149.64
Allowance for depreciation.....	2,013,377.62
Provision for sinking fund.....	1,963,903.65
	<u>\$19,247,200.97</u>

PROPERTIES

AND THE BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges						
Divisional costs, including transformation, transmission and distribution	Provision for contingencies	Withdrawal from contingencies reserve	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$
213,263.71	27,068.90	.....	887,611.27	879,368.70	8,242.57	32.79
4,975.92	698.50	.....	21,697.64	24,097.65	2,400.01	31.06
216,245.02	29,571.20	.....	912,846.75	931,492.25	18,645.50	30.87
2,837.45	452.80	.....	13,393.95	14,534.32	1,140.37	29.58
5,381.90	535.30	.....	17,485.97	19,271.40	1,785.43	32.67
4,972.24	866.00	.....	24,722.15	31,176.00	6,453.85	28.55
447,676.24	59,192.70	.....	1,877,757.73	1,899,940.32	22,182.59	.....
1,858,559.76	241,814.62	.....	2,781,399.41	2,370,542.13	410,857.28	.....
3,238,102.84	404,606.77	414,989.49	14,878,668.43	15,109,984.58	231,316.15	.....
5,096,662.60	646,421.39	414,989.49	17,660,067.84	17,480,526.71	179,541.13	.....
5,544,338.84	705,614.09	414,989.49	19,537,825.57	19,380,467.03	157,358.54	.....

2. The provision for contingencies consists of a charge of \$470,874.70 at \$1 per kilowatt of the average monthly peak load supplied to all customers and charges of \$16,045.77 to local systems and \$218,693.62 to the Rural Power District for their distribution facilities.

3. The withdrawal from the reserve for contingencies \$414,989.49 credited to the operating accounts "Province of Ontario, other customers" represents the net loss on the supply of power to the paper companies in the Thunder Bay District. The net loss consists of \$662,210.94 representing the loss on the supply of primary power under the terms of the existing contracts, less the revenue of \$247,221.45 from the supply of surplus energy for use in steam boilers.

4. The method used in 1952 of allocating the cost of power supplied to each customer was followed in 1953 with the following exception:

In calculating the peak demand for company loads, the recorded demand was not increased for energy taken in excess of the contracted load factor. In 1952 a hypothetical demand was estimated for this excess energy. The recorded demand for company loads supplied on an interruptible basis was reduced by 25 per cent in arriving at the demand load used for cost allocation.

5. Interchange of power with the Southern Ontario System shown in the statement of operations \$154,734.33 represents the cost of 116,188,000 kilowatt-hours of energy transferred from the Southern Ontario System less the cost of 89,648,000 kilowatt-hours of energy transferred to that system. The cost was determined on the basis of the average annual cost of generating energy and the cost of the facilities used for the interchange.

NORTHERN ONTARIO PROPERTIES

SINKING FUND

Payments by municipalities supplied with power at cost, and by the Province of Ontario, and interest allowed thereon to December 31, 1953

Municipality	Period of years to December 31, 1953	Amount
		\$
Fort William.....	27	3,004,821.40
Nipigon Twp.....	27	50,422.20
Port Arthur.....	27	5,954,194.98
Red Rock.....	6	15,826.43
Schreiber Twp.....	5	17,498.77
Terrace Bay.....	6	34,303.63
Total—Municipalities.....		9,077,067.41
Province of Ontario.....		30,923,984.24
Grand Total.....		40,001,051.65

APPENDIX III—CUSTOMERS

Rural Electrical Service

Power is delivered in wholesale quantities by the Commission to 108 rural operating areas in the amalgamated Rural Power District, and within the Rural Power District the retail customers are served as farm, hamlet, commercial, summer, or industrial power service customers. These are defined under “Descriptions of Main Classes of Hydro Rural Service”, and the rates applicable to each follow.

For farm, hamlet, commercial, and summer service a uniform rural rate structure applies. Rates for rural industrial power service vary with the locality served. The rates for service in the uniform group were effective as of January 1, 1953. Rates for the industrial power service group were effective as of November 1, 1952.

Descriptions of Main Classes of Hydro Rural Service

Farm Service

Farm service means service rendered to lands and buildings thereon used for the production of food or industrial crops on that land, and shall include electrical service to all farm buildings and equipment located on the farm used for farm purposes, including that required for processing the products of the customer's farm.

Service may be supplied under one farm contract to all dwellings or separate domestic establishments located on the farm property and occupied by persons who are engaged in the operation of the farm.

Additional dwellings or domestic establishments located on a farm property, and occupied by persons not engaged in the operation of the farm shall be classed as hamlet service. Small properties of five acres and less shall be classed as hamlet services except under special circumstances, when a farm classification may be applied.

Commercial Service

Commercial service means service to business or community establishments including schools, churches, public halls, hospitals, hotels, motels, offices, stores, garages, small manufacturing and processing establishments, sign and display lighting, etc.

Hamlet Service

Hamlet service means service to a domestic establishment or residence in a community served as part of a rural operating area. This class shall include isolated non-farm residences.

Summer Service

Summer service is applicable to properties normally used during the summer months only.

Industrial Power Service

Power service covers 3-phase service to power users such as creameries, cheese factories, and chopping mills, to industrial establishments, and to special loads which cannot be supplied as commercial single-phase service.

Uniform Rural Rate Structure

The farm, hamlet, and commercial service rates are on a monthly basis and consist essentially of a three-step consumption charge subject to a minimum bill. The summer service rates are on an annual basis and consist of an annual fixed charge plus a consumption charge.

The number of kilowatt-hours at the first and second rates and the minimum bill are dependent on the classification of the contract and its demand rating.

In each billing period the kilowatt-hour rates are as follows:

4.5¢ gross per kilowatt-hour for the first block of kilowatt-hours.

2.6¢ gross per kilowatt-hour for the next block of kilowatt-hours.

1.5¢ gross per kilowatt-hour for all remaining kilowatt-hours.



THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

PROVINCE OF ONTARIO
SHOWING

RURAL OPERATING AREAS

1961-62

Scale of Miles

KEY - 301 Miles of Line
302 Rural Operating Area
303 Part of Rural Operating Area

December 31, 1961

The number of kilowatt-hours supplied at each of the above rates, and the minimum bill for each class and contract rating are shown in the following tabulation.

All rates quoted are gross and are subject to a prompt payment discount of 10 per cent.

RATES TO CUSTOMERS IN RURAL OPERATING AREAS

Farm, Hamlet, Commercial, and Summer Service

Prompt Payment Discount 10 per cent

		Kilowatt-hours billed at			
Class	Rating	first rate 4.5 cents	second rate 2.6 cents	third rate 1.5 cents	min bill per month (gross)
(number per month)					\$
Farm.....	F35	60	180	All	2.25
	F50	100	300	additional	3.75
	FD	20 per kw of demand	60 per kw of demand		0.75 per kw of demand
Hamlet.....	H20	60	80	All	1.67
	H35	60	180	additional	2.25
	H50	80	300		3.75
	HD	20 per kw of demand	60 per kw of demand		0.75 per kw of demand
Commercial ..	C20	60	120	All	1.50
	C35	90	180	additional	2.25
	C50	150	300		3.75
	CD	30 per kw of demand	60 per kw of demand		0.75 per kw of demand
(number per annum)					Annual fixed charge (gross)
Summer.....	S20	150	450	All	16.67
	S35	225	675	additional	22.22
	S50	375	1,125		25.00
	SD	75 per kw of demand	225 per kw of demand		5.00 per kw of demand

RATES TO CUSTOMERS IN RURAL OPERATING AREAS

Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas by regions	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per mo	Rate per kwh per month		
			First 50 hrs	Second 50 hrs	All ad- ditional
SOUTHERN ONTARIO SYSTEM	\$	\$	cents	cents	cents
Western					
Aylmer.....	34.00	1.35	3.4	2.2	0.33
Blenheim.....	34.00	1.35	3.4	2.2	0.33
Bothwell.....	36.00	1.35	3.7	2.4	0.33
Chatham.....	32.00	1.35	3.1	2.0	0.33
Dorchester.....	34.00	1.35	3.4	2.2	0.33
Essex.....	36.00	1.35	3.7	2.4	0.33
Exeter.....	34.00	1.35	3.4	2.2	0.33
Forest.....	36.00	1.35	3.7	2.4	0.33
Harrow.....	36.00	1.35	3.7	2.4	0.33
Ingersoll.....	32.00	1.35	3.1	2.0	0.33
Kingsville.....	34.00	1.35	3.4	2.2	0.33
London.....	32.00	1.35	3.1	2.0	0.33
Lucan.....	34.00	1.35	3.4	2.2	0.33
Merlin.....	36.00	1.35	3.7	2.4	0.33
Norwich.....	32.00	1.35	3.1	2.0	0.33
Oil Springs.....	36.00	1.35	3.7	2.4	0.33
Ridgetown.....	36.00	1.35	3.7	2.4	0.33
St. Thomas.....	34.00	1.35	3.4	2.2	0.33
Sarnia.....	34.00	1.35	3.4	2.2	0.33
Strathroy.....	34.00	1.35	3.4	2.2	0.33
Tillsonburg.....	32.00	1.35	3.1	2.0	0.33
Wallaceburg.....	34.00	1.35	3.4	2.2	0.33
West Lorne.....	36.00	1.35	3.7	2.4	0.33
Windsor.....	32.00	1.35	3.1	2.0	0.33
Woodstock.....	32.00	1.35	3.1	2.0	0.33
West Central					
Brantford.....	32.00	1.35	3.1	2.0	0.33
Burlington.....	32.00	1.35	3.1	2.0	0.33
Cayuga.....	36.00	1.35	3.7	2.4	0.33
Clinton.....	34.00	1.35	3.4	2.2	0.33
Dundas.....	32.00	1.35	3.1	2.0	0.33
Elmira.....	32.00	1.35	3.1	2.0	0.33
Guelph.....	32.00	1.35	3.1	2.0	0.33
Kitchener.....	32.00	1.35	3.1	2.0	0.33
Listowel.....	32.00	1.35	3.1	2.0	0.33
Mitchell.....	34.00	1.35	3.4	2.2	0.33
Simcoe.....	32.00	1.35	3.1	2.0	0.33
Stoney Creek.....	29.00	1.35	2.6	1.7	0.33
Caledonia Section.....	32.00	1.35	3.1	2.0	0.33
Stratford.....	32.00	1.35	3.1	2.0	0.33

RATES TO CUSTOMERS IN RURAL OPERATING AREAS

Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas by regions	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per mo	Rate per kwh per month		
			First 50 hrs	Second 50 hrs	All ad- ditional
SOUTHERN ONTARIO SYSTEM					
—Continued	\$	\$	cents	cents	cents
Niagara					
Beamsville.....	32.00	1.35	3.1	2.0	0.33
Dunnville.....	34.00	1.35	3.4	2.2	0.33
St. Catharines.....	30.00	1.35	2.8	1.8	0.33
Welland.....	27.00	1.35	2.3	1.5	0.33
Toronto					
Brampton.....	32.00	1.35	3.1	2.0	0.33
Markham.....	32.00	1.35	3.1	2.0	0.33
Richmond Hill.....	32.00	1.35	3.1	2.0	0.33
Sutton.....	34.00	1.35	3.4	2.2	0.33
Woodbridge.....	34.00	1.35	3.4	2.2	0.33
Georgian Bay					
Alliston.....	34.00	1.35	3.4	2.2	0.33
Bala.....	32.00	1.35	3.1	2.0	0.33
Barrie.....	34.00	1.35	3.4	2.2	0.33
Bracebridge.....	32.00	1.35	3.1	2.0	0.33
Cannington.....	34.00	1.35	3.4	2.2	0.33
Huntsville.....	34.00	1.35	3.4	2.2	0.33
Markdale.....	32.00	1.35	3.1	2.0	0.33
Orangeville.....	36.00	1.35	3.7	2.4	0.33
Orillia.....	30.00	1.35	2.8	1.8	0.33
Owen Sound.....	34.00	1.35	3.4	2.2	0.33
Parry Sound.....	34.00	1.35	3.4	2.2	0.33
Penetanguishene.....	34.00	1.35	3.4	2.2	0.33
Shelburne.....	34.00	1.35	3.4	2.2	0.33
Stayner.....	32.00	1.35	3.1	2.0	0.33
Uxbridge.....	34.00	1.35	3.4	2.2	0.33
Walkerton.....	34.00	1.35	3.4	2.2	0.33
Wingham.....	34.00	1.35	3.4	2.2	0.33
East Central					
Bancroft.....	38.00	1.35	4.0	2.6	0.33
Belleville.....	32.00	1.35	3.1	2.0	0.33
Bowmanville.....	32.00	1.35	3.1	2.0	0.33
Brighton.....	32.00	1.35	3.1	2.0	0.33
Cobourg.....	32.00	1.35	3.1	2.0	0.33
Fenelon Falls.....	34.00	1.35	3.4	2.2	0.33
Frankford.....	32.00	1.35	3.1	2.0	0.33
Kingston.....	32.00	1.35	3.1	2.0	0.33
Lakefield.....	32.00	1.35	3.1	2.0	0.33
Millbrook.....	32.00	1.35	3.1	2.0	0.33

RATES TO CUSTOMERS IN RURAL OPERATING AREAS

Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas by regions	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per mo	Rate per kwh per month		
			First 50 hrs	Second 50 hrs	All ad- ditional
SOUTHERN ONTARIO SYSTEM —Continued	\$	\$	cents	cents	cents
East Central—Continued					
Minden	36.00	1.35	3.7	2.4	0.33
Napanee	32.00	1.35	3.1	2.0	0.33
Norwood	34.00	1.35	3.4	2.2	0.33
Oshawa	32.00	1.35	3.1	2.0	0.33
Peterborough	27.00	1.35	2.3	1.5	0.33
Picton	34.00	1.35	3.4	2.2	0.33
Tweed	34.00	1.35	3.4	2.2	0.33
Eastern					
Arnprior	32.00	1.35	3.1	2.0	0.33
Brockville	32.00	1.35	3.1	2.0	0.33
Carleton Place	32.00	1.35	3.1	2.0	0.33
Cobden	32.00	1.35	3.1	2.0	0.33
Delta	32.00	1.35	3.1	2.0	0.33
Lancaster	32.00	1.35	3.1	2.0	0.33
Merrickville	32.00	1.35	3.1	2.0	0.33
Ottawa	29.00	1.35	2.6	1.7	0.33
Perth	32.00	1.35	3.1	2.0	0.33
Plantagenet	32.00	1.35	3.1	2.0	0.33
Vankleek Hill	32.00	1.35	3.1	2.0	0.33
Winchester	32.00	1.35	3.1	2.0	0.33
NORTHERN ONTARIO PROPERTIES					
Northeastern					
Algoma	42.00	1.35	4.6	3.0	0.33
Kapuskasing	36.00	1.35	3.7	2.4	0.33
Kirkland Lake	36.00	1.35	3.7	2.4	0.33
Manitoulin	42.00	1.35	4.6	3.0	0.33
Matheson	36.00	1.35	3.7	2.4	0.33
New Liskeard	36.00	1.35	3.7	2.4	0.33
North Bay	36.00	1.35	3.7	2.4	0.33
Sudbury	36.00	1.35	3.7	2.4	0.33
Warren	36.00	1.35	3.7	2.4	0.33
Northwestern					
Dryden	42.00	1.35	4.6	3.0	0.33
Fort Frances	42.00	1.35	4.6	3.0	0.33
Geraldton	42.00	1.35	4.6	3.0	0.33
Kenora	42.00	1.35	4.6	3.0	0.33
Port Arthur	34.00	1.35	3.4	2.2	0.33
Sioux Lookout	42.00	1.35	4.6	3.0	0.33

RURAL OPERATING AREAS
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1953

Rural operating areas by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Sum- mer	Power	Total
SOUTHERN ONTARIO SYSTEM							
Western							
Aylmer	342.35	1,520	1,094	263	216	6	3,099
Blenheim	135.80	634	407	99	160	5	1,305
Bothwell	396.39	1,444	342	171	1	13	1,971
Chatham	317.30	1,413	2,093	260		25	3,791
Dorchester	204.95	825	520	123	2	10	1,480
Essex	295.19	1,495	1,071	172	564	14	3,316
Exeter	258.67	1,126	530	206	778	7	2,647
Forest	321.89	1,313	192	136	645	7	2,293
Harrow	237.52	1,309	921	144	1,255	8	3,637
Ingersoll	291.05	1,045	384	98	15	5	1,547
Kingsville	242.47	1,719	1,156	221	1,051	22	4,169
London	325.12	1,183	7,481	538		56	9,258
Lucan	360.49	1,307	156	102	1	5	1,571
Merlin	390.70	1,601	446	202	259	9	2,517
Norwich	206.57	933	281	84		7	1,305
Oil Springs	336.46	1,389	242	158		4	1,793
Ridgetown	181.74	658	280	90	573	5	1,606
St. Thomas	305.10	1,204	1,644	219	12	7	3,086
Sarnia	265.89	1,142	1,850	247	554	2	3,795
Strathroy	495.94	1,807	584	234		9	2,634
Tillsonburg	243.48	1,046	759	170		14	1,989
Wallaceburg	443.44	1,733	1,149	267	222	12	3,383
West Lorne	252.11	896	167	104	37	1	1,205
Windsor	211.35	838	7,810	636		43	9,327
Woodstock	214.05	881	588	128		5	1,602
Total	7,276.02	30,461	32,147	5,072	6,345	301	74,326
West Central							
Brantford	685.90	2,897	1,500	377	11	21	4,806
Burlington	122.19	528	3,768	200	22	43	4,561
Cayuga	365.18	1,377	570	200	774	22	2,943
Clinton	619.79	2,290	786	303	556	6	3,941
Dundas	342.40	1,665	1,996	211	2	13	3,887
Elmira	469.33	1,545	1,038	253	87	17	2,940
Guelph	363.57	1,240	997	135	15	4	2,391
Kitchener	477.83	1,728	2,328	340	175	27	4,598
Listowel	596.22	2,397	589	291	2	7	3,286
Mitchell	550.10	2,296	575	233		12	3,116
Simcoe	763.43	3,308	2,411	455	1,189	12	7,375
Stoney Creek	455.91	1,716	4,597	427	184	31	6,955
Stratford	299.29	1,234	549	144		9	1,936
Total	6,111.14	24,221	21,704	3,569	3,017	224	52,735

RURAL OPERATING AREAS
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1953

Rural operating areas by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Sum- mer	Power	Total
SOUTHERN ONTARIO SYSTEM							
Niagara							
Beamsville.....	365.05	2,090	1,436	269	113	26	3,934
Dunnville.....	262.92	1,015	649	224	961	10	2,859
St. Catharines.....	259.96	1,563	6,147	397	166	42	8,315
Welland.....	428.63	1,500	6,000	597	650	64	8,811
Total.....	1,316.56	6,168	14,232	1,487	1,890	142	23,919
Toronto							
Brampton.....	570.39	1,963	1,863	320	268	26	4,440
Markham.....	372.65	1,556	6,707	483	627	49	9,422
Richmond Hill.....	317.82	1,117	4,835	535	233	40	6,760
Sutton.....	304.84	899	1,661	358	2,877	12	5,807
Woodbridge.....	372.30	1,245	2,267	385	118	44	4,059
Total.....	1,938.00	6,780	17,333	2,081	4,123	171	30,488
Georgian Bay							
Alliston.....	446.99	1,705	507	196	12	7	2,427
Bala.....	173.23	56	551	151	1,463	3	2,224
Barrie.....	470.33	1,346	1,990	369	3,023	15	6,743
Bracebridge.....	390.71	494	851	220	1,987	4	3,556
Cannington.....	428.50	1,066	757	211	1,987	8	4,029
Huntsville.....	488.21	578	1,345	314	1,581	8	3,826
Markdale.....	595.14	1,958	679	284	365	5	3,291
Orangeville.....	435.86	1,300	996	260	361	2	2,919
Orillia.....	404.85	769	721	321	2,074	5	3,890
Owen Sound.....	866.73	2,285	1,476	521	2,027	5	6,314
Parry Sound.....	316.13	249	1,044	226	596	6	2,121
Penetanguishene.....	441.28	975	858	292	3,203	5	5,333
Shelburne.....	688.57	2,177	313	214	17		2,721
Stayner.....	319.06	1,047	793	399	2,295	3	4,537
Uxbridge.....	457.40	1,437	905	246	928	5	3,521
Walkerton.....	794.00	2,802	778	354	483	8	4,425
Wingham.....	654.64	2,334	603	318	492	3	3,750
Total.....	8,371.63	22,578	15,167	4,896	22,894	92	65,627

RURAL OPERATING AREAS
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1953

Rural operating areas by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Sum- mer	Power	Total
SOUTHERN ONTARIO SYSTEM							
East Central							
Bancroft.....	181.24	280	383	87	395	1	1,146
Belleville.....	215.66	762	2,089	254	52	13	3,170
Bowmanville.....	282.28	869	755	184	93	6	1,907
Brighton.....	137.30	433	200	38	183	2	856
Cobourg.....	531.08	1,563	1,187	351	801	8	3,910
Fenelon Falls.....	457.46	964	605	328	2,329	10	4,236
Frankford.....	373.56	1,312	896	209	191	1	2,609
Kingston.....	707.22	1,976	2,332	530	900	16	5,754
Lakefield.....	340.36	570	736	229	1,173	1	2,709
Millbrook.....	185.72	570	227	81	73	1	952
Minden.....	338.44	364	1,288	360	1,627	4	3,643
Napanee.....	524.69	1,799	1,017	375	239	5	3,435
Norwood.....	278.27	733	342	107	610	3	1,795
Oshawa.....	262.78	861	1,921	254	227	10	3,273
Peterborough.....	401.40	1,083	1,283	252	642	10	3,270
Pictou.....	432.79	1,674	1,129	303	515	8	3,629
Tweed.....	467.76	960	856	306	534	1	2,657
Total.....	6,118.01	16,773	17,246	4,248	10,584	100	48,951
Eastern							
Arnprior.....	338.17	823	903	243	765	14	2,748
Brockville.....	558.24	1,903	1,622	428	772	18	4,743
Carleton Place.....	208.32	518	146	80	259	1	1,004
Cobden.....	855.66	1,778	2,605	671	449	16	5,519
Delta.....	403.06	971	629	254	825	3	2,682
Lancaster.....	562.75	1,981	951	393	166	11	3,502
Merrickville.....	213.88	654	534	105	102	4	1,399
Ottawa.....	637.11	2,293	3,624	543	336	35	6,831
Perth.....	492.25	1,051	614	212	765	.....	2,642
Plantagenet.....	227.94	1,417	696	311	23	6	2,453
Vankleek Hill.....	268.82	673	437	146	59	8	1,323
Winchester.....	712.51	2,918	1,021	464	37	17	4,457
Total.....	5,478.71	16,980	13,782	3,850	4,558	133	39,303

RURAL OPERATING AREAS
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1953

Rural operating areas by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Sum- mer	Power	Total
NORTHERN ONTARIO PROPERTIES							
Northeastern							
Algoma.....	164.87	169	310	100	36	3	618
Kapuskasing.....	201.63	400	1,252	172	91	4	1,919
Kirkland Lake.....	71.80	64	147	57	183	1	452
Manitoulin.....	518.45	794	1,366	522	499	18	3,199
Matheson.....	418.95	1,002	909	211	191	7	2,320
New Liskeard.....	522.01	1,073	1,060	296	250	14	2,693
North Bay.....	580.10	952	2,761	554	926	22	5,215
Sudbury.....	465.81	878	6,726	493	601	25	8,723
Warren.....	393.47	963	1,033	345	221	6	2,568
Total.....	3,337.09	6,295	15,564	2,750	2,998	100	27,707
Northwestern							
Dryden.....	186.33	310	301	125	61	1	798
Fort Frances.....	473.11	923	638	258	36	6	1,861
Geraldton.....	22.60	.....	210	74	3	8	295
Kenora.....	158.57	203	399	122	278	2	1,004
Port Arthur.....	781.04	1,813	1,836	322	719	8	4,698
Sioux Lookout.....	20.06	17	68	16	41	1	143
Total.....	1,641.71	3,266	3,452	917	1,138	26	8,799

SUMMARY—MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1953

Region	Miles of primary line	Number of customers					
		Farm	Hamlet	Com-mercial	Sum-mer	Power	Total
SOUTHERN ONTARIO							
Western.....	7,276.02	30,461	32,147	5,072	6,345	301	74,326
West Central.....	6,111.14	24,221	21,704	3,569	3,017	224	52,735
Niagara.....	1,316.56	6,168	14,232	1,487	1,890	142	23,919
Toronto.....	1,938.00	6,780	17,333	2,081	4,123	171	30,488
Georgian Bay.....	8,371.63	22,578	15,167	4,896	22,894	92	65,627
East Central.....	6,118.01	16,773	17,246	4,248	10,584	100	48,951
Eastern.....	5,478.71	16,980	13,782	3,850	4,558	133	39,303
Total.....	36,610.07	123,961	131,611	25,203	53,411	1,163	335,349
NORTHERN ONTARIO PROPERTIES							
Northeastern.....	3,337.09	6,295	15,564	2,750	2,998	100	27,707
Northwestern.....	1,641.71	3,266	3,452	917	1,138	26	8,799
Total.....	4,978.80	9,561	19,016	3,667	4,136	126	36,506
Total—All systems.....	41,588.87	133,522	150,627	28,870	57,547	1,289	371,855

Work not completed in 1953 included 208.24 miles of distribution lines. These miles of lines and a total of 1,443 customers whose services were not completed in the 1953 program are omitted from the above tables.

RURAL SERVICE, 1928 TO 1943, BEFORE ADOPTION OF PROVINCE-WIDE UNIFORM RATES AND NEW CLASSIFICATION

(Comparable Figures for Earlier Years Not Available)

Hamlet and House Lighting Service

Year	Annual revenue	Consumption	Number of customers*	Average revenue per kwh	Average monthly bill	Average monthly consump- tion
	\$	kwh	No.	cents	\$	kwh
1928	530,407.00	10,702,031	17,585	4.95	2.51	50.7
1929	663,311.00	14,424,770	21,219	4.60	2.85	62.0
1930	757,558.00	17,815,987	25,013	4.25	2.73	64.2
1931	974,224.17	22,127,474	31,176	4.40	2.88	65.6
1932	1,075,081.03	24,654,386	33,368	4.36	2.76	63.3
1933	1,133,368.70	25,410,470	35,941	4.46	2.70	60.1
1934	1,149,876.67	27,768,460	37,466	4.14	2.61	63.0
1935	1,171,873.28	30,802,290	39,751	3.80	2.53	66.5
1936	1,239,010.83	35,666,241	43,014	3.47	2.49	71.8
1937	1,331,919.46	40,935,040	46,785	3.25	2.47	76.0
1938	1,439,681.39	47,612,820	52,514	3.02	2.42	79.9
1939	1,649,496.29	54,787,544	58,328	3.01	2.36	78.3
1940	1,812,550.53	60,839,240	62,973	2.98	2.40	80.5
1941	1,995,468.46	67,587,082	67,939	2.95	2.45	82.9
1942	2,118,911.57	72,613,472	69,766	2.92	2.56	87.9
1943	2,170,221.41	73,980,871	70,919	2.93	2.57	87.6

Farm Service

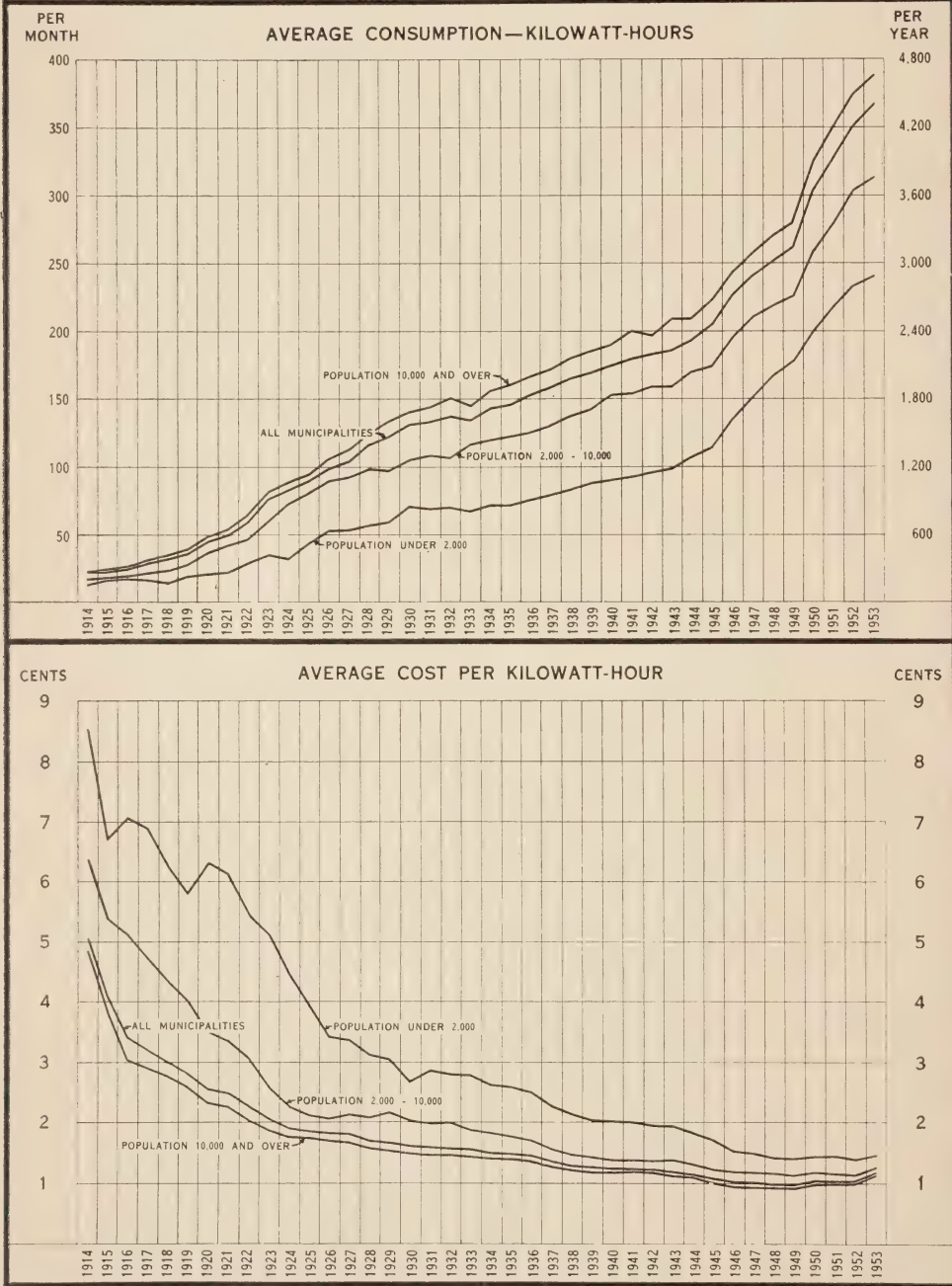
Year	Annual revenue	Consumption	Number of customers*	Average revenue per kwh	Average monthly bill	Average monthly consump- tion
	\$	kwh	No.	cents	\$	kwh
1928	569,007.00	10,969,828	9,309	5.18	4.97	96
1929	777,736.00	16,022,842	12,605	4.85	5.85	121
1930	863,805.00	20,507,063	16,011	4.21	5.03	119
1931	1,128,554.28	25,716,141	20,796	4.39	5.11	116
1932	1,255,482.13	28,675,400	22,432	4.38	4.84	110
1933	1,309,122.96	30,062,194	23,283	4.35	4.75	109
1934	1,319,922.69	33,312,314	23,882	3.96	4.66	118
1935	1,343,222.39	37,667,453	25,357	3.57	4.55	128
1936	1,385,784.39	45,447,669	28,198	3.05	4.31	141
1937	1,366,484.50	54,858,240	35,508	2.49†	3.57	144†
1938	1,711,788.81	67,886,882	44,565	2.52†	3.56	141†
1939	2,090,259.14	81,613,087	53,240	2.56†	3.56	139†
1940	2,405,092.40	93,859,719	58,728	2.56†	3.41	133†
1941	2,690,250.37	107,061,610	63,304	2.51	3.54	141
1942	2,870,300.31	116,448,363	63,748	2.46	3.75	152
1943	2,934,011.31	121,428,714	64,292	2.42	3.81	158

*See footnote to table on page 41.

†In the period 1937 to 1940, there was an increase in the statistical average per kilowatt-hour and a decrease in the statistical average monthly consumption per customer. Actually there was a great increase in the use of electricity by nearly all individual Hydro customers and a corresponding decrease to each customer in the average cost per kilowatt-hour. But due to the tremendous growth at that time in new customers, who for the first few years were not equipped to use large quantities of electricity each month, the smaller monthly consumption of the new customers when averaged with the increased use of the older customers produced per customer averages which obscured the true trends of individual growth in use and individual reductions in costs.

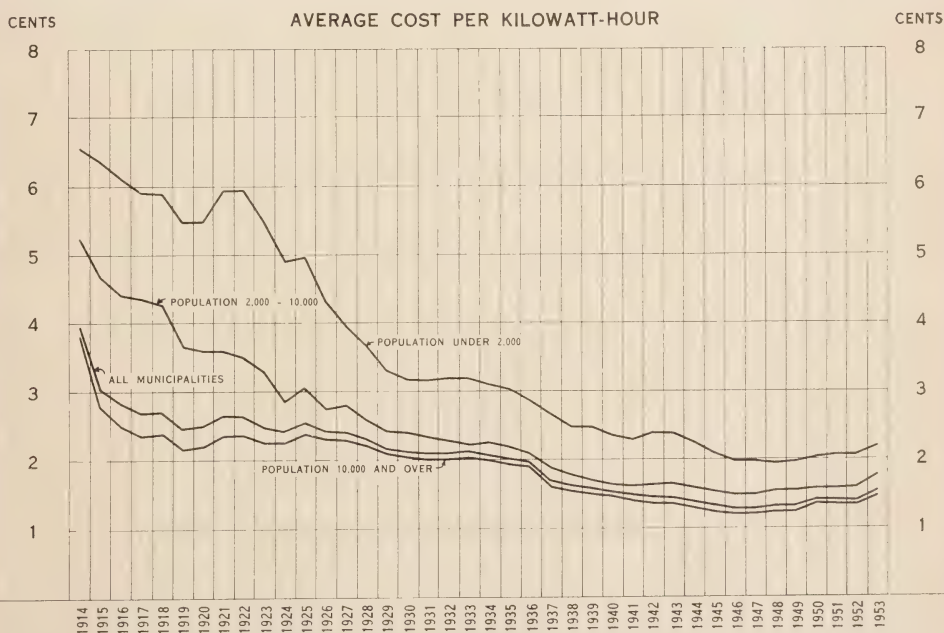
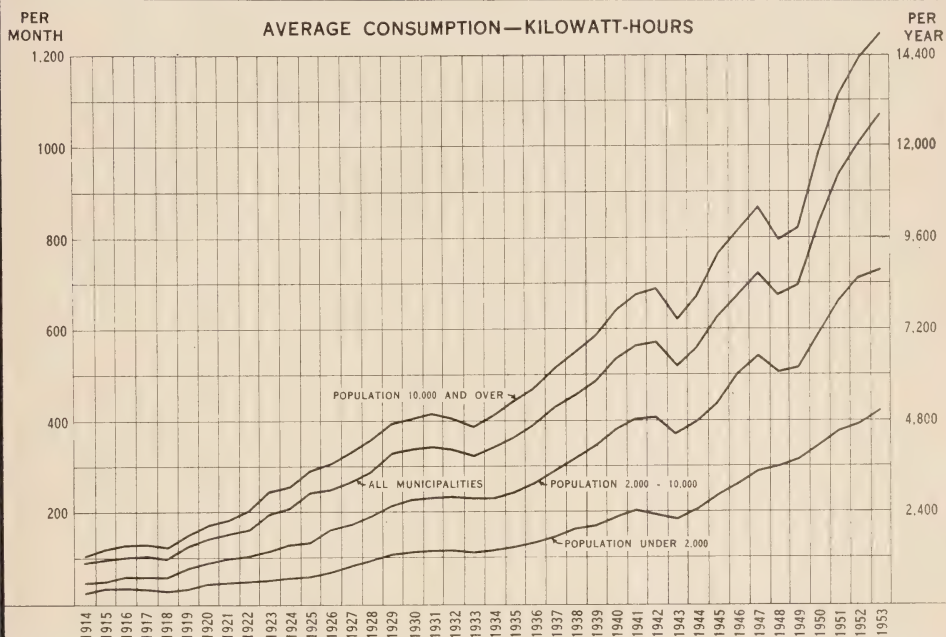
MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

DOMESTIC SERVICE



MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

COMMERCIAL SERVICE



APPENDIX IV

ENGINEERING AND CONSTRUCTION

IN the following table, the total line miles and circuit miles of transmission lines are given by voltage and support structure, for each of the Southern Ontario System and the Northern Ontario Properties. The totals given for 1952 differ from those in the 1952 Annual Report because 96.09 route miles and 101.71 circuit miles of low-voltage transmission not previously reported have been included.

TOTAL MILEAGE OF TRANSMISSION LINES AND CIRCUITS

Voltage and Structure	Line route or structure miles		Circuit miles	
	At Dec. 31, 1952	At Dec. 31, 1953	At Dec. 31, 1952	At Dec. 31, 1953
SOUTHERN ONTARIO SYSTEM				
230,000-volt.....steel tower.....	2,432.85	2,431.85	2,858.39	2,900.53
115,000-volt.....steel tower.....	1,430.12	1,477.08	2,229.70	2,299.03
115,000-volt.....wood pole.....	806.80	880.57	810.97	884.74
115,000-volt.....underground cable.....	4.88	4.88	8.83	8.83
60,000-volt.....steel tower.....	11.17	11.17	12.30	12.30
60,000-volt.....wood pole.....	2.66	2.66	2.66	2.66
44,000-volt.....steel tower.....	87.15	86.99	114.45	144.13
44,000-volt and less.wood and steel...	4,329.21	4,436.91	4,816.25	4,926.95
Total Southern Ontario System.....	9,104.84	9,332.11	10,853.55	11,179.17
NORTHERN ONTARIO PROPERTIES				
132,000-volt.....steel tower.....	386.16	386.16	772.32	772.32
132,000-volt.....wood pole.....	268.54	268.54	268.54	268.54
115,000-volt.....steel tower.....	298.60	298.60	512.66	512.66
115,000-volt.....wood pole.....	717.56	717.61	717.56	717.61
69,000-volt.....wood pole.....	203.72	203.72	203.72	203.72
44,000-volt and less.wood pole.....	1,470.10	1,513.27	1,586.25	1,626.81
Total Northern Ontario Properties...	3,344.68	3,387.90	4,061.05	4,101.66
Total—All systems.....	12,449.52	12,720.01	14,914.60	15,280.83

NOTE: Circuit miles of 230,000-volt line in the Province of Quebec connected to H-E.P.C. lines = 103.47 miles, making a total system interconnected mileage of 3,004.00.

COMMUNICATIONS

Telephone

A total of 144 miles of telephone circuit was erected in 1953, including 131 miles in the Southern Ontario System and 13 miles in the Northern Ontario Properties. Rehabilitation was carried out on 72 miles of telephone circuit in the Southern Ontario System and on 27 miles in the Northern Ontario Properties.

Six voice carrier channels were established over the microwave radio link between the Head Office in Toronto and the Niagara Regional Office, five being used for administration and general operations, and one specifically for tele-metering and load control.

A private automatic exchange was installed at Cameron Falls Generating Station and cordless branch exchanges were installed in Burlington, St. Mary's, and Ramore Transformer Stations. Double operators' desks with private branch exchanges were placed in service at Richard L. Hearn Generating Station, George W. Rayner Generating Station, and R. H. Martindale Transformer Station. Twenty-five additional lines were installed for a private automatic exchange at the East Central Regional Office.

Other telephone facilities added during the year are listed in the table of communications auxiliary facilities given on page 346.

Power-Line Carrier Control Facilities

Permanent carrier equipment was placed in service for transfer-trip protection between Allanburg and Burlington Transformer Stations. Telemetry and load-control facilities were provided by the use of high audio-frequency equipment on the voice carrier channels between Sarnia Transformer Station and E. V. Buchanan Transformer Station, and between the latter and J. Clark Keith Generating Station. Coupling capacitors were installed on the 230-kv transmission lines at J. Clark Keith Generating Station and at E. V. Buchanan and Detweiler Transformer Stations, both for power-line carrier and metering service. Capacitors for metering services only were installed on two 115-kv transmission lines at Stewartville Generating Station and at Crystal Falls Generating Station and R. H. Martindale Transformer Station.

The power-line carrier network was extended to include new channels for line relay-protection in the operation of the 230-kv lines from J. Clark Keith Generating Station, the interconnections with The Detroit Edison Company, Detweiler Transformer Station, and a 115-kv, 60-cycle transmission line between E. V. Buchanan and St. Thomas Transformer Stations. New channels also provided similar protection for the 115-kv transmission line between R. H. Martindale Transformer Station and Copper Cliff Switching Station.

Preparations were being made for power-line carrier installations for Sir Adam Beck-Niagara Generating Station No. 2, and for a voice carrier channel between Toronto-Leaside Transformer Station and Merivale Switching Station. Preparation was also being made for power-line protection between George W. Rayner Generating Station and Copper Cliff Switching Station, and for transfer-trip protection channels between the Kalamazoo Vegetable Parchment Company Station and both George W. Rayner Generating Station and Copper Cliff Transformer Station.

New Communications Auxiliary Facilities

Telephone control cable

<i>From</i>	<i>To</i>
Belleville T.S.	Belleville S.S.
Ontario Power T.S.	Niagara V.H.F. Radio Station
Cameron Falls G.S.	Cameron Falls Operators' Colony

Power-line carrier voice channels

<i>From</i>	<i>To</i>
E. V. Buchanan T.S.	J. Clark Keith G.S.
E. V. Buchanan T.S.	Sarnia T.S.
E. V. Buchanan T.S.	Detweiler T.S.
E. V. Buchanan T.S.	A. W. Manby T.S.
Detweiler T.S.	Essa T.S.
Essa T.S.	Minden S.S.
Moose Lake T.S.	Port Arthur T.S. No. 1

Radio

Radio communication was extended by the establishment of ultra high-frequency multichannel radio terminals at Niagara Transformer Station and at the Administration Building in Toronto, and of sixteen new strategically-located frequency-modulation stations, five in the Southern Ontario System and eleven in the Northern Ontario Properties.

The new frequency-modulation stations included two in the Niagara Region, one in the Toronto Region, and one at both Cornwall and Morrisburg to assist in the surveying for the St. Lawrence Development. To facilitate construction activities, three were established in the Manitou Falls area and three along the power-line right of way between Otto Holden Generating Station and Crystal Falls Generating Station. The five remaining stations were established for supervisory control in the Northern Ontario Properties, two at generating stations, one at a transformer station, and two at storage sites. In addition to the fixed stations, eight mobile units were added in the Niagara Region, three in the Toronto Region, and one was established in the St. Lawrence Development area.

Remote control was provided at the area offices for the frequency-modulation stations established in the Markdale and Alliston Rural Operating Areas.

APPENDIX V—LEGISLATIVE

AT the 1953 Session of the Legislative Assembly of the Province of Ontario two Acts respecting The Hydro-Electric Power Commission of Ontario were passed. The said Acts are reproduced here in full. The short titles of the Acts are as follows:

The Power Commission Amendment Act, 1953, Chapter 82.

The Rural Telephone Systems Amendment Act, 1953, Chapter 95.

ACTS

CHAPTER 82

An Act to amend The Power Commission Act

Assented to April 2nd, 1953.

Session Prorogued April 2nd, 1953.

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. Section 41 of *The Power Commission Act*, as re-enacted by section 2 of *The Power Commission Amendment Act, 1952*, is amended by inserting after the figures "1952" in the third line the word and figure "(No. 2)", so that the section shall read as follows:

41. The compulsory powers conferred by this Act or by *The Niagara Development Act, 1951* or by *The St. Lawrence Development Act, 1952 (No. 2)* shall extend to land, works, rights, powers, privileges and property notwithstanding anything in this Act or in any general or special Act and notwithstanding that they are or may be deemed to be devoted to a municipal or any other public use or that the owner thereof possesses the power of taking land compulsorily and notwithstanding the origin, nature or sources of the owner's title thereto, whether statutory or otherwise, or the manner whereby it was acquired by the owner or by any of his predecessors in title.

Rev. Stat.,
c. 281, s. 45a,
subs. 12
(1952,
c. 77, s. 5),
amended

2. Subsection 12 of section 45a of *The Power Commission Act*, as enacted by section 5 of *The Power Commission Amendment Act, 1952*, is amended by striking out the word “to” in the tenth line, so that the subsection shall read as follows:

Exemptions

- (12) In making the valuations referred to in subsection 6, there shall be no value included for machinery whether fixed or not nor the foundation on which it rests, works, structures other than buildings referred to in subsection 2 or 4, substructures, superstructures, rails, ties, poles, towers, lines nor any of the things excepted from exemption from taxation by paragraph 17 of section 4 of *The Assessment Act*, nor other property, works or improvements not referred to in subsection 2 or 4, nor an easement or the right or use of occupation or other interest in land not owned by the Commission.

Rev. Stat.,
c. 24

Rev. Stat.,
c. 146,
amended

3. Section 46 of *The Power Commission Act*, as amended by section 5 of *The Power Commission Amendment Act, 1951* and by section 6 of *The Power Commission Amendment Act, 1952*, is further amended by inserting after the figures “1952” in the amendment of 1952 the word and figure “(No. 2)”, so that the section shall read as follows:

Government
authorized
to raise
funds for
works of
Commission
Rev. Stat.,
c. 299
1951, c. 55;
1952 (2nd
Sess.), c. 3

46. The Lieutenant-Governor in Council may raise by way of loan in the manner provided by *The Provincial Loans Act* such sums as the Lieutenant-Governor in Council may deem requisite for the purposes of this Act and of *The Niagara Development Act, 1951* and of *The St. Lawrence Development Act, 1952* (No. 2), and the sums so raised may either be advanced to the Commission or applied by the Treasurer of Ontario in the purchase of notes, bonds, debentures or other securities of the Commission issued by the Commission under the authority of this Act.

Rev. Stat.,
c. 281, s. 51,
subs. 2, cl. e,
amended

4. Clause *e* of subsection 2 of section 51 of *The Power Commission Act*, as amended by subsection 2 of section 9 of *The Power Commission Amendment Act, 1951* and section 7 of *The Power Commission Amendment Act, 1952*, is further amended by inserting after the figures “59” in the fourth line the words and figures “or in section 59a” and by inserting after the figures “1952” in the amendment of 1952 the word and figure “(No. 2)”, so that the clause shall read as follows:

- (*e*) carrying out any of the powers and purposes of the Commission referred to in sections 24 to 28, 38 and 84 or in respect of the acquisition or construction of works referred to in section 59 or in section 59a, or carrying out any of the powers and purposes of the Commission referred to in *The Niagara Development Act, 1951* or in *The St. Lawrence Development Act, 1952* (No. 2), providing in whole or in part for expenditures of the Commission made or to be

1951, c. 55;
1952 (2nd
Sess.), c. 3

made in connection therewith, reimbursing the Commission for any such expenditures heretofore or hereafter made, and repaying in whole or in part any temporary borrowings of the Commission for any of such purposes.

5. *The Power Commission Act* is amended by adding thereto the following section: Rev. Stat.,
c. 281,
amended

- 59a.—(1) Notwithstanding anything in this Act or in any other general or special Act, or any agreement which may have been entered into by His Majesty with the Commission pursuant to subsection 2 of section 59, or any agreement entered into by the Commission with any other person, the works in the territorial districts of Ontario now held in trust for Her Majesty pursuant to section 59 and all other assets related thereto and the works now held in trust for the municipalities comprised in the Commission's Thunder Bay System and all other assets related thereto shall, subject to the respective liabilities and with the reserves now attaching thereto, be deemed as of January 1st, 1952, to be held in one trust to be known as the "Northern Ontario Properties" for Her Majesty and the municipalities, the beneficial interest of Her Majesty and of each municipality now or hereafter becoming a beneficiary under the trust being according to the amounts heretofore or hereafter charged and received under power contracts by the Commission from the municipalities and from persons supplied by it with power for the account of Her Majesty for repayment of indebtedness incurred or assumed by the Commission in respect of the works, and also to the amount of reserves transferred in respect of the trust as of January 1st, 1952, to the credit of the municipalities now comprised in the Thunder Bay System or to the credit of Her Majesty or contributed subsequently to January 1st, 1952. Establishing
Northern
Ontario
Properties
trust
- (2) Any municipality in the territorial districts of Ontario which enters into a contract with the Commission for the supply of power from works held by the Commission under the Northern Ontario Properties trust at the cost thereof to the Commission shall thereupon become a beneficiary under the trust established by subsection 1. Additional
beneficiaries
- (3) All persons in the territorial districts of Ontario supplied with power by the Commission from works held by it under the Northern Ontario Properties trust except municipalities supplied at cost, including persons now supplied by the Commission in rural power districts on behalf of townships or pursuant to section 90, shall hereafter be deemed to be supplied for the account of Her Majesty and all profit or loss arising from supplying such power shall be credited or charged to Her Majesty. Crown
customers

Rural power
districts not
beneficiaries
under trust

- (4) Notwithstanding section 78, a rural power district shall not be deemed a municipality for the purposes of this section.

Works

- (5) The words "such works" in subsection 5 of section 59, the words "works covered by an agreement authorized under subsection 2" in subsection 7 of section 59, and the words "the works mentioned in subsection 1" in subsection 10 of section 59 shall also include the works held in trust under this section.

Transfer
of reserves

6.—(1) The Commission shall transfer to Northern Ontario Properties to the credit of the municipalities now comprised in the Thunder Bay System those portions of the reserves for rate stabilization and contingencies of the Thunder Bay System as at December 31st, 1951, which were contributed on a horse-power or kilowatt basis by the municipalities being supplied with power at cost in that system.

Transfer
of reserves

(2) The Commission shall transfer to Northern Ontario Properties to the credit of Her Majesty, for Her benefit only, those portions of the reserves for rate stabilization and contingencies of the Thunder Bay System as at December 31st, 1951, which were contributed on a horse-power or kilowatt basis by customers other than the municipalities being supplied with power at cost in that system.

Transfer
of rural
power district
rates suspense
account

(3) The Commission shall transfer to Northern Ontario Properties to be charged to the account of Her Majesty the rural power district rates suspense account of the Thunder Bay System as at December 31st, 1951, and the deficit account under the agreement dated June 30th, 1933, entered into pursuant to section 43a of *The Power Commission Act*, as enacted by section 1 of *The Power Commission Act, 1933*, as at December 31st, 1951.

R.S.O. 1927,
c. 57;
1933, c. 47

Transfer
of sinking
fund

(4) The sinking fund of the Thunder Bay System as at December 31st, 1951, shall be transferred to the Northern Ontario Properties to the credit of the municipalities then comprising the system, excepting that portion pertaining to the mining area and the rural power district which shall be credited to the account of Her Majesty; and the sinking funds in respect of properties held in trust pursuant to section 43a of *The Power Commission Act*, as enacted by section 1 of *The Power Commission Act, 1933*, as at December 31st, 1951, shall be transferred to the Northern Ontario Properties to the credit of Her Majesty.

Transfer
of reserves

(5) The Commission shall transfer to Northern Ontario Properties for the common benefit of the beneficiaries under the trust, reserve accounts as of December 31st, 1951, of the Thunder Bay System and the reserve accounts as at December 31st, 1951, held in trust for Her Majesty under the agreement dated June 30th,

1933, entered into pursuant to section 43a of *The Power Commission Act*, as enacted by section 1 of *The Power Commission Act, 1933*, excepting those reserve accounts referred to in subsections 1, 2, 3 and 4 above. R.S.O. 1927, c. 57; 1933, c. 47

7. Section 69 of *The Power Commission Act* is amended by adding at the end thereof the words "or to any contract for the supply of electrical power or energy under section 90", so that the section shall read as follows: Rev. Stat., c. 281, s. 69, amended

69. Notwithstanding anything in section 68, it shall not be necessary to obtain the approval of the Lieutenant-Governor in Council to any contract for the supply by the Commission of electrical power or energy to any person from works that the Commission has acquired or constructed and is operating for the distribution of electrical power or energy or to any contract for the supply of electrical power or energy under section 90. Approval of Lieutenant-Governor in Council not required to certain contracts

8. This Act comes into force on the day it receives Royal Assent. Commencement

9. This Act may be cited as *The Power Commission Amendment Act, 1953*. Short title

CHAPTER 95

An Act to amend The Rural Telephone Systems Act, 1951

Assented to April 2nd, 1953.

Session Prorogued April 2nd, 1953.

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. *The Rural Telephone Systems Act, 1951* is amended by adding thereto the following section: 1951, c. 80, amended

2a.—(1) The Commission may appoint a director, a commercial supervisor, an engineering supervisor and such other officers and employees as it deems proper for the purposes of this Act. Officers, etc., appointment

Duties

- (2) In order to assist the Commission in promoting the objects of this Act, it shall be the duty of the officers appointed under subsection 1,
- (a) to inquire into the communication needs of the Province, both immediate and future, and to co-operate with and assist the companies in establishing adequate facilities;

(b) to co-operate with and assist the smaller companies to amalgamate with others in order to form companies of sufficient size to permit efficient operation and to provide adequate service;

(c) to provide engineering and other technical advice to companies; and

(d) to develop a system of accounting best suited to small companies and to promote and assist in its adoption.

Commence-
ment

2. This Act comes into force on the day it receives Royal Assent.

Short title

3. This Act may be cited as *The Rural Telephone Systems Amendment Act, 1953*.

ORDER IN COUNCIL

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities, persons, and corporations mentioned in the list hereunder given were approved by Order in Council.

CITIES			
North Bay	Nov. 16, 1953	Easthope North	Apr. 7, 1953
Sudbury	Nov. 16, 1953	Easthope South	Apr. 7, 1953
TOWNS			
Dryden	Feb. 17, 1953	Emily	Nov. 16, 1953
Massey	Mar. 17, 1953	Freeman	May 11, 1953
Rockland	Sept. 29, 1953	Gwillimbury West	Mar. 27, 1953
Vankleek Hill	June 12, 1953	Haldimand	Mar. 17, 1953
Webbwood	Mar. 17, 1953	Holland	Nov. 30, 1953
VILLAGE			
L'Orignal	June 12, 1953	Luther West	Jan. 28, 1953
TOWNSHIPS			
Algona North	Jan. 19, 1953	Matilda	Mar. 11, 1953
Artemesia	Feb. 17, 1953	Mattawan	Dec. 7, 1953
Baldwin	June 12, 1953	McDougall	Jan. 19, 1953
Bucke	May 4, 1953	Mountain	Dec. 22, 1953
Casimir, Jennings & Appleby	Aug. 31, 1953	Osgoode	Aug. 12, 1953
Cosby, Mason & Martland	Dec. 11, 1953	Plantagenet South	May 4, 1953
Day & Bright Additional	Dec. 22, 1953	Proton	Aug. 31, 1953
Dysart, Guilford, Harburn, Dudley, Harcourt, Bruton, Eyre, Clyde & Havelock	July 17, 1953	Russell	Aug. 12, 1953
		Tecumseth	Mar. 27, 1953
		Thessalon	Dec. 22, 1953
		Thompson	Dec. 22, 1953
		Thurlow	Aug. 12, 1953
		Whitby	Jan. 28, 1953
		Winchester	Aug. 12, 1953
IMPROVEMENT DISTRICT			
		Longlac	Nov. 11, 1953

CORPORATIONS

Aluminum Company of Canada, Limited.....	Dec. 7, 1953
Atlas Steels Limited.....	Apr. 30, 1953
Atlas Steels Limited.....	June 30, 1953
Buffalo Ankerite Gold Mines Limited.....	Oct. 15, 1953
Caland Ore Company Limited.....	Aug. 26, 1953
Caland Ore Company Limited.....	Dec. 7, 1953
Canada Cement Company, Limited.....	June 19, 1953
Canadian Carborundum Company, Limited.....	June 12, 1953
Canadian General Electric Company Limited.....	June 12, 1953
Canadian Rock Salt Company Limited.....	Aug. 31, 1953
Canadian Steel Corporation, Limited.....	Aug. 31, 1953
Cobalt Chemicals Limited and Silanco Mining & Refining Company Limited.....	Feb. 24, 1953
Deloro Smelting & Refining Company, Limited.....	Aug. 31, 1953
General Motors Diesel Limited.....	Aug. 31, 1953
Hasaga Gold Mines, Limited.....	Mar. 3, 1953
Her Majesty the Queen in right of the Province of Ontario, represented by the Minister of Reform Institutions for the Province of Ontario.....	July 13, 1953
Howard Smith Paper Mills, Limited.....	July 13, 1953
Howards & Sons (Canada) Ltd.....	May 11, 1953
Kemball, Bishop & Co. (Canada) Ltd.....	Jan. 19, 1953
Lionite Abrasives Limited.....	Mar. 17, 1953
Madsen Red Lake Gold Mines Limited.....	Sept. 29, 1953
McKinnon Industries, Limited.....	June 24, 1953
Milnet Mines Limited.....	Apr. 27, 1953
Nelson Crushed Stone, Limited.....	June 12, 1953
Newlund Mines Limited.....	Aug. 12, 1953
Nipissing-O'Brien Mines Limited.....	Jan. 28, 1953
Ontario-Minnesota Pulp and Paper Company Limited.....	Mar. 27, 1953
Pembroke Electric Light Company Limited.....	Nov. 16, 1953
Roe, A. V., Canada Limited.....	Feb. 3, 1953
St. Mary's Cement Company, Limited.....	May 4, 1953
Sheaffer, W. A., Pen Company of Canada Limited.....	June 29, 1953
Silver-Miller Mines Limited.....	Jan. 28, 1953
Somerville Limited.....	July 31, 1953
Starratt Olsen Gold Mines Limited.....	Sept. 29, 1953
Steep Rock Iron Mines Limited.....	June 12, 1953
Upper Canada Mines Limited.....	Sept. 29, 1953

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